



产品目录 / Product Spectrum

2012/2013





印刷说明 / Imprint

目录内容由以下公司负责：

浙江天马轴承股份有限公司
中国杭州市石祥路208号
邮编310015

电话： +86 571 88282988
传真： +86 571 88016503

邮箱： sales@zjtmb.com

注册地： 杭州
营业执照编号： 330000000024631

税号： 33010574506480X

董事长： 马兴法

内容负责人： Mr. Frank Caser – 副总
市场 & 业务发展部

声明：

浙江天马轴承股份有限公司尽力保证本产品目录的正确性。个别数据如有偏差或更新，造成内容不符或不完整，天马不承担任何责任。

Responsible for the content of these pages:

Zhejiang Tianma Bearing Co., Ltd.
208 Shixiang Road
Hangzhou 310015

PR China

Phone: +86 571 88282988
Fax: +86 571 88016503

E- Mail: sales@zjtmb.com

Registration court: Hangzhou
Registration number: 330000000024631

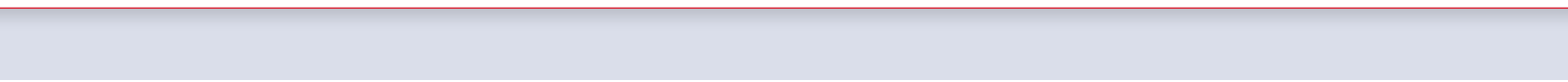
VAT reg. number: 33010574506480X

Chief Executive Officer: Mr. Xingfa Ma

Responsible for content: Mr. Frank Caser - Vice President
Marketing & Business Development

Disclaimer:

The necessary care has been taken to ensure the correctness of the information in this catalogue. TMB does not accept any liability for any errors or incompleteness as, despite careful checks of the contents, deviations may occur in individual data sheets or result from product modifications and/or upgrades.





内容 / Content

1	关于天马	About TMB	6
1.1	天马集团	TMB Group	6
1.2	行业地位和证书	Market Ranking and Certifications	8
1.3	质量	Quality	9
2	产品	Products	10
2.1	回转支承	Slewing Bearings	10
2.2	球轴承	Ball Bearings	11
2.3	滚子轴承	Roller Bearings	12
2.4	关节轴承	Spherical Slide Bearings	13
2.5	特殊轴承 (非标)	Special Bearings (Customized Bearings)	14
2.6	机床	Machinery	15
3	表格	Tables	16
3.1	单排四点球式回转支承 (01系列)	Single Row Four Point Ball Slewing Bearings (01 Series)	16
3.2	单排四点球式回转支承 (QW系列)	Single Row Four Point Ball Slewing Bearings (QW Series)	24
3.3	单排四点球式回转支承 (QN系列)	Single Row Four Point Ball Slewing Bearings (QN Series)	30
3.4	单排四点球式回转支承 (QU系列)	Single Row Four Point Ball Slewing Bearings (QU Series)	36
3.5	双排球式回转支承 (02系列)	Double Row Ball Slewing Bearings (02 Series)	42
3.6	单排交叉滚子回转支承 (11系列)	Single Row Cross Roller Slewing Bearings (11 Series)	46
3.7	三排滚子回转支承 (13系列)	Triple Row Roller Slewing Bearings (13 Series)	50
3.8	单列深沟球轴承	Single Row Deep Groove Ball Bearings	54
3.9	深沟球轴承 (密封)	Deep Groove Ball Bearings (sealed)	72
3.10	深沟球轴承 (带止动槽)	Deep Groove Ball Bearings (with Snap Ring Groove)	88
3.11	深沟球轴承 (带止动槽&防尘盖)	Deep Groove Ball Bearings (with Snap Ring Groove & Shield)	92
3.12	推力深沟球轴承	Deep Groove Thrust Ball Bearings	94
3.13	角接触球轴承	Angular Contact Ball Bearings	100

内容 / Content

3.14	四点接触球轴承	Four Point Contact Ball Bearings	116
3.15	单列圆柱滚子轴承	Single Row Cylindrical Roller Bearings	122
3.16	双列圆柱滚子轴承	Double Row Cylindrical Roller Bearings	160
3.17	NCF型圆柱滚子轴承	Cylindrical Roller Bearings, NCF Type	162
3.18	NNCF型圆柱滚子轴承	Cylindrical Roller Bearings, NNCF Type	168
3.19	单向推力圆柱滚子轴承	Cylindrical Roller Thrust Bearings (onedirectional)	174
3.20	双向推力圆柱滚子轴承	Cylindrical Roller Thrust Bearings (bidirectional)	178
3.21	调心滚子轴承	Spherical Roller Bearings	180
3.22	推力调心滚子轴承 (d ≤ 300mm)	Spherical Roller Thrust Bearings (d ≤ 300mm)	206
3.23	推力调心滚子轴承 (d > 300mm)	Spherical Roller Thrust Bearings (d > 300mm)	210
3.24	圆锥滚子轴承	Tapered Roller Bearings	214
3.25	单向推力圆锥滚子轴承	Tapered Roller Thrust Bearings (onedirectional)	230
3.26	双向推力圆锥滚子轴承	Tapered Roller Thrust Bearings (bidirectional)	232
3.27	关节轴承 (GExE, GExES, GExES-2RS)	Spherical Slide Bearings (GExE, GExES, GExES-2RS)	236
3.28	关节轴承 (GEGxE, GEGxE-2RS)	Spherical Slide Bearings (GEGxE, GEGxE-2RS)	238
3.29	关节轴承 (GEEMxES 2RS)	Spherical Slide Bearings (GEEMxES 2RS)	240
3.30	关节轴承 (GEEWxES)	Spherical Slide Bearings (GEEWxES)	242
3.31	关节轴承 (GACxS)	Spherical Slide Bearings (GACxS)	244
3.32	关节轴承 (GEZxES) -公制	Spherical Slide Bearings (GEZxES) - millimetre Dimensions	246
3.33	关节轴承 (GEZxES) -英制	Spherical Slide Bearings (GEZxES) - inch Dimensions	248
4	词汇表	Glossary	250
4.1	回转支承命名方法 (第1部分)	Numbering Method of Slewing Bearings (Part 1)	250
4.2	回转支承命名方法 (第2部分)	Numbering Method of Slewing Bearings (Part 2)	251
4.3	轴承的前缀和后缀定义	Prefixes & Suffixes Overview of Bearings	252
5	联系方式	Contact	260

1 关于天马 / About TMB

1.1 天马集团 / TMB Group



天马集团成立于1987年，现已成为在中国经济领域中负有盛名的国际性企业。

Founded in 1987 TMB currently belongs to the internationally distinguished group of companies in the Chinese economy.

天马集团现已形成六大生产基地，公司生产的TMB轴承产品覆盖10大类4000余个品种，公司还生产数控重型机床。

With six manufacturing facilities in China TMB produces ten types and more than 4000 varieties of bearings as well as heavy CNC machinery under the "TMB" brand.

天马集团的各个分公司在总部的统一协调下生产各自的强势产品，形成了一个科学的产品结构体系与优化的产业链布局。

Each TMB base is specialized in their respective niche products under the coordination of the TMB headquarter and forms a sound product structure and an optimal industry layout.

公司生产的产品小到内径5毫米，大到外径5米（回转支承轴承）尺寸跨度居全国之最。天马生产的圆柱滚子轴承，广泛应用于铁路，还有卧式、立式车床，中国市场占有率位居第一。

The product range is from inner diameter (ID) 5 mm to outer diameter (OD) 5 m (slewing bearings), the widest diameter span in China. TMB cylindrical roller bearings and railway bearings are beyond heavy vertical and horizontal lathes number one in terms of domestic market share.

TMB轴承广泛应用于发电设备、冶金/矿业/重工业，以及机械工程和汽车工业，特别应用于机车、发动机（传统型&电控型）、发电机、齿轮箱、泵、航空和船舶。

TMB bearings are widely applied in the field of Power Generation, Metallurgy/Mining/Heavy Industry as well as in Engineering and Automotive. In particular TMB bearings are used in locomotives, engines (conventional & electrical), generators, gearboxes, pumps and in airplanes and vessels.

天马子公司齐重数控装备股份有限公司以“齐重”闻名，主要生产立式、卧式车床、磨床和其它机床配件。

Qiqihar Heavy CNC Equipment Co., Ltd., also known under company name Qizhong, manufactures heavy vertical & horizontal lathes, grinders and other heavy CNC machine tools.

天马集团占地面积约170万平方米，各个生产基地形成了集材料、轴承、装备三大产业于一体的企业，真正实现了回收利用。

With a total area of 1.7 million square metres, the production bases of TMB Group formed a complete industrial chain of raw material, bearings and equipment, where resources are recycled and synergies are realized.

1 关于天马 / About TMB

1.1 天马集团 / TMB Group

天马只使用高纯度钢，是中国唯一一家拥有自己的钢铁生产的轴承生产厂家。

从熔炼、锻造、热处理到机加工，天马都进行了严格的定期质量控制，从而保证了产品的高质量。通过对设备的循环检验降低产品公差，保证产品精度。

另外，天马拥有完整的轴承检测和测量设备，公司引进了世界一流的检测和测试设备用来测试轴承的寿命、振动、圆度、以及进行钢谱分析和金相分析。

作为中国高端轴承制造商的领先企业，天马在执行纵向一体化战略时，坚持以技术革新为优先的策略。

TMB only uses high-purity steels and is the only Chinese manufacturer who maintains an own steel production.

Regular quality controls during the process of material smelting, forging, heat treatment and machining ensure a high product quality. With cyclic equipment inspections failures in machinery are reduced and a high precision is guaranteed continuously.

In addition to complete sets of inspection and measurement instruments for bearing parts, the company has also introduced world-class inspection and testing equipment to conduct tests on bearing life, vibration as well as roughness and roundness. Additionally TMB uses laboratory equipment for steel spectrum analysis and metallographic analysis.

As the front-runner of high-end bearing manufacturers in China, TMB insists that technical innovation is the top priority while implementing its vertical integration strategy.

天马在世界各地拥有15个销售分公司:

上海天马轴承有限公司.

宁波天马轴承有限公司

合肥天马轴承有限公司

西安天马轴承销售有限公司

武汉天马轴承销售有限公司

郑州销售分公司

重庆销售分公司

天津销售分公司

无锡销售分公司

沈阳销售分公司

淄博销售分公司

广州销售分公司

长沙销售分公司

TMB Wälzlagerfabriken GmbH (德国)

TMB Engineering Pvt. Ltd.(印度)

There are 15 TMB Sales Branches worldwide:

Shanghai Tianma Bearing Co., Ltd.

Ningbo Tianma Bearing Co., Ltd.

Hefei Tianma Bearing Co., Ltd.

Xi'an Tianma Bearing Sales Co., Ltd.

Wuhan Tianma Bearing Sales Co., Ltd.

Zhengzhou Sales Branch

Chongqing Sales Branch

Tianjin Sales Branch

Wuxi Sales Branch

Shenyang Sales Branch

Zibo Sales Branch

Guangzhou Sales Branch

Changsha Sales Branch

TMB Wälzlagerfabriken GmbH (Germany)

TMB Engineering Pvt. Ltd. (India)



1 关于天马 / About TMB

1.2 行业地位和证书 / Market Ranking and Certifications

天马作为中国最重要的生产厂家，是以下产品的领先者：

In China TMB is the most important producer and national market leader of the following products:

圆柱滚子轴承
铁路轴承
风力设备用回转支承
数控重型机床

Cylindrical Roller Bearings
Bearings for Railway Vehicles
Slewings for Wind Power Applications
Heavy CNC Equipment

天马集团拥有一万多名员工，对中国经济具有很大的推动作用。

TMB Group employs more than 10,000 permanent workers from all parts of the country and is one of the most important companies in Chinese economics.



(从左到右)

1. 中国五一劳动奖状
2. 中国品牌
3. 中国驰名商标
4. 中国十大影响力品牌
5. 中国机械500强排行榜
6. 最具市场竞争力品牌

(from left to right)

1. Labor Awards
2. China's Top Brand
3. China Famous Trademark
4. China's Top 10 Brand
5. China's Top 500 Machinery Manufacturers
6. Most Competitive Brand

随着天马拥有的国际证书的增加，天马集团更注重国际竞争力。

With achieving an increasing number of international accepted certifications the TMB Group emphasizes its global competitiveness.



(从左到右)

1. 质量跨标杆合格证书 - 深沟球
2. GL证书-回转支承 (第1页)
3. GL证书-回转支承 (第2页)
4. ISO 9001:2008 (中文)
5. ISO 9001:2008 (英语)
6. ISO 14001:2004 (中文)
7. ISO 14001:2004 (英语)
8. TS 16949 (中文)
9. TS 16949 (英语)

(from left to right)

1. CBIA Certificate for Approved Ball Bearing Quality (Level 2)
2. GL Certificate for Production of Slewings Bearings (Page 1)
3. GL Certificate for Production of Slewings Bearings (Page 2)
4. ISO 9001:2008 (Chinese)
5. ISO 9001:2008 (English)
6. ISO 14001:2004 (Chinese)
7. ISO 14001:2004 (English)
8. TS 16949 (Chinese)
9. TS 16949 (English)

1 关于天马 / About TMB

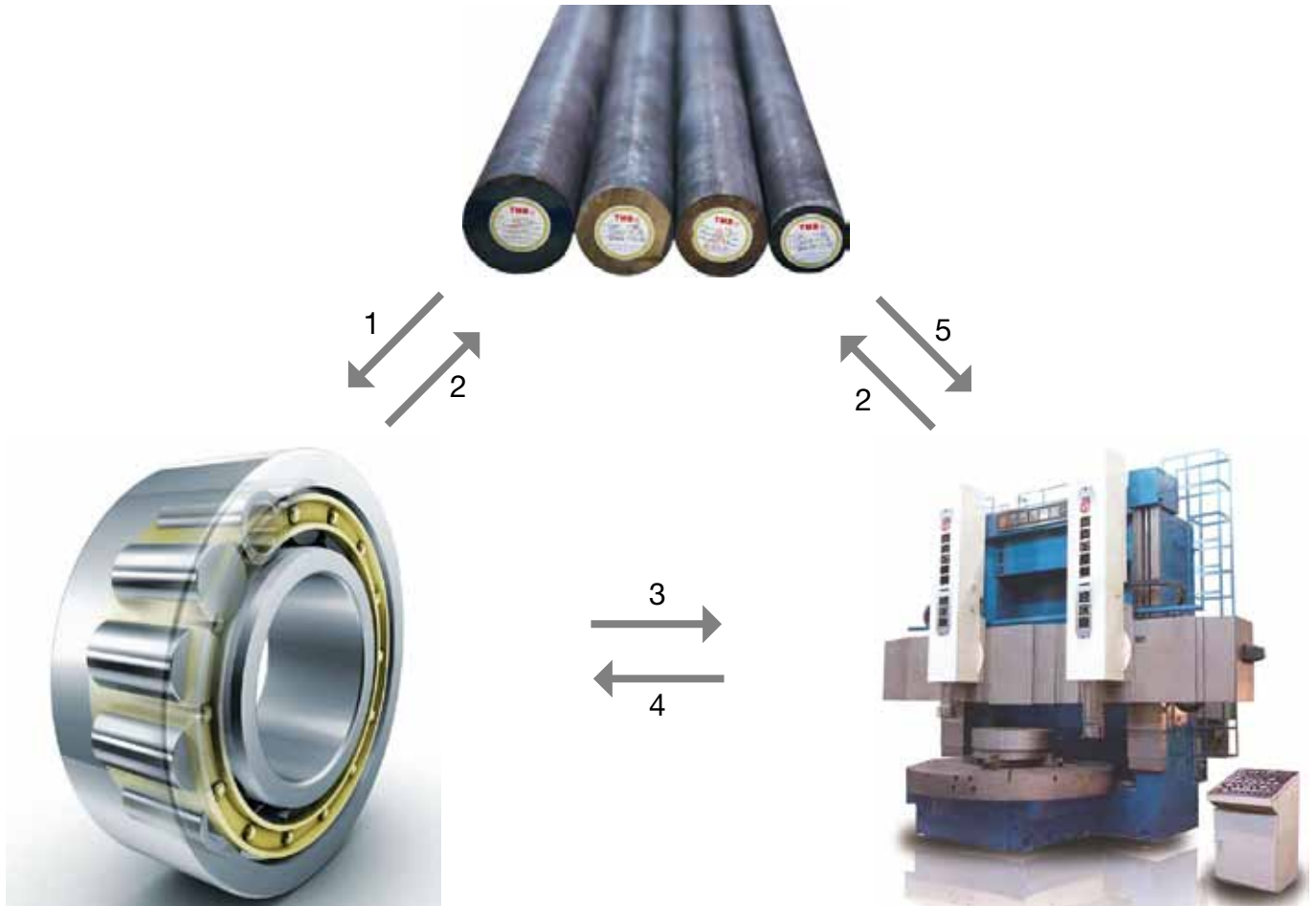
1.3 质量 / Quality

天马是中国唯一一家拥有自己的轴承钢生产的轴承企业。相比中国其他轴承生产厂家，依赖这工业链的三大元素，形成了公司明显的优势，

TMB is the only Chinese company which produces own bearing steel. This is a significant advantage in comparison to all other bearing manufacturers in China. Hence only TMB can rely to three elements of the industrial supply chain. Therefore TMB Group maintains an above average standard of high quality manufacturing.

- 1 轴承产品的高质量钢材
- 2 余料循环利用
- 3 高精度数控机床
- 4 制造轴承产品的数控机床
- 5 数控机床的高质量钢材

- 1 High quality steel for bearing products
- 2 Recycling of residual material
- 3 Precision bearings for CNC equipment
- 4 CNC equipment for bearing production
- 5 High quality steel for CNC equipment



2. 产品 / Products

2.1 回转支承 / Slewing Bearings

类型	外径尺寸 / Dimension (OD in mm)	Type
单排四点接触球式回转支承	280 - 4728	Single Row Four Point Contact Ball Slewing Bearings
双排球式回转支承	602 - 4726	Double Row Ball Slewing Bearings
单排交叉滚柱式回转支承	616 - 4778	Single Row Cross Cylindrical Roller Slewing Bearings
三排滚柱式回转支承	634 - 4782	Triple Row Cylindrical Roller Slewing Bearings

2.1.1 单排四点接触球式回转支承(01 和Q系列)

单排球式回转支承广泛应用于旋转起重机，也适用于打桩机、小型挖掘机、云梯消防车和高空作业平台。

2.1.1 Single Row Four Point Contact Ball Slewing Bearings (01 and Q Series)

Single row ball slewing bearings are widely applied in all kinds of rotary cranes. You can also find it in pile drivers, small excavators, ladder trucks of fire departments and aerial work platforms.

2.1.2 双排球式回转支承(异径; 02 系列)

双排异径球式回转支承(两排球径不同) 特别适用于高塔式起重机。

2.1.2 Double Row Ball Slewing Bearings (Unequal Diameter; 02 Series)

Double row ball slewing bearings with two rows of balls (one row with smaller balls than in the other row) are especially suitable for high tower cranes.

2.1.3 单排交叉滚柱式回转支承 (11 系列)

单排交叉滚柱式回转支承广泛应用于简易升降装置、工程机械和军工产品。

2.1.3 Single Row Cross Cylindrical Roller Slewing Bearings (11 Series)

Single row crossed roller slewing bearings are widely applied in simple lifting applications, engineering plants and military industry.

2.1.4 三排滚柱式回转支承 (13 Series)

三排滚柱式回转支承特别适用于重型挖掘机、重型港口起重机、船用旋转起重机、重型汽车。

2.1.4 Triple Row Cylindrical Roller Slewing Bearings (13 Series)

Slewing bearings with three rows of cylindrical rollers are especially suitable for heavy excavators, heavy port cranes, ship rotary cranes, heavy auto cranes and steel ladle revolving tables (metallurgy).

除所示无齿回转支承外，天马也生产相应类型带内齿和外齿的产品。

All exemplary shown slewing bearings without gears TMB also manufactures as inner gear or outer gear version.



2. 产品 / Products

2.2 球轴承 / Ball Bearings

类型	外径尺寸 / Dimension (OD in mm)	Type
深沟球轴承	10 - 380	Deep Groove Ball Bearings
推力深沟球轴承	40 - 1150	Deep Groove Thrust Ball Bearings
角接触球轴承	10 - 320	Angular Contact Ball Bearings
四点接触球轴承	15 - 240	Four Point Ball Bearings
特殊球轴承	10 - 1060	Special Ball Bearings

2.2.1 深沟球轴承

这是最具代表性的滚动轴承，用途广泛。其内外圈滚道都呈弧状沟型，可承受径向负荷。适用于高速旋转及要求低噪音，低振动的场合。

2.2.1 Deep Groove Ball Bearings

The most representative types of all bearings are very versatile. The raceways of the rings are arched groove. Deep groove ball bearings can take radial and axial loads. This kind of bearing is very suitable for high speeds while being low-noise and low-vibration.

2.2.2 角接触球轴承

角接触球轴承，在承受径向载荷时，会产生轴向分力，因此应将两个轴承背对背，面对面或串联配置使用。套圈与球之间有接触角，标准接触角为15度，25度和40度，接触角越大轴向负荷能力也越大。

2.2.2 Angular Contact Ball Bearings

Angular Contact Ball Bearings are used if in addition to the radial load also an axial load appeals. With installing two angular contact ball bearings in opposite direction the bearing pair can absorb axial load from both directions. The standard contact angle between rings and balls is about 15°, 25° and 40°. The larger the angle the more the bearing can take axial load.

2.2.3 四点接触球轴承

该轴承类型适用于纯径向载荷或径向和双向轴向载荷的合成载荷。

2.2.3 Four-Point Contact Ball Bearings

This bearing type can be used in applications with radial loads only or with additional effecting radial and bidirectional axial loads.



2 产品 / Products

2.3 滚子轴承 / Roller Bearings

类型	外径尺寸 / Dimension (OD in mm)	Type
单列圆柱滚子轴承	15 - 240	Single Row Cylindrical Roller Bearings
多列圆柱滚子轴承	30 - 260	Multi Row Cylindrical Roller Bearings
推力圆柱滚子轴承	170 - 1150	Cylindrical Roller Thrust Bearings
单列满装滚子轴承	20 - 320	Single Row Full Compliment Roller Bearings
双列满装滚子轴承	30 - 340	Double Row Full Complement Roller Bearings
调心滚子轴承	30 - 1060	Spherical Roller Bearings
推力调心滚子轴承	130 - 1280	Spherical Roller Thrust Bearings
圆锥滚子轴承	15 - 300	Tapered Roller Bearings
推力圆锥滚子轴承	240 - 896	Tapered Roller Thrust Bearings
特殊滚子轴承	10 - 1150	Special Cylindrical Roller Bearings

2.3.1 圆柱滚子轴承

圆柱滚子轴承的滚动体是圆柱形的，滚子与滚道呈线接触，保持架引导。圆柱滚子轴承总体来说比球轴承能承受的载荷要大。天马能生产单列、双列、三列、四列和多列的圆柱滚子轴承。单列圆柱滚子适用于高速旋转。多列圆柱滚子适用于高载荷的情况。圆柱滚子轴承的类型可划分为N, NU, NJ, NUP, NF, RNU, RN和推力圆柱滚子轴承。如果需要应用于更高载荷的情况，可使用满装圆柱滚子轴承，即无保持架，增加滚动体数量。

2.3.2 调心滚子轴承

调心滚子轴承是两排滚子的自调心滚动轴承。调心滚子轴承的滚动体是球面的，内圈和外圈带凹面滚道，内圈带双挡边，用来引导由保持架引导的滚动体，外圈无挡边。调心滚子轴承适用于承受较高径向冲击载荷，调节轴的轴心差，调心滚子能承受的轴向载荷较低。

2.3.3 圆锥滚子轴承

圆锥滚子轴承由内圈、外圈与带保持架的滚子组成。内外圈的滚道呈圆锥形。圆锥滚子轴承可承受较高的径向载荷和单向轴向载荷。

2.3.1 Cylindrical Roller Bearings

The rolling elements of cylindrical roller bearings have a roller shape, a linear contact line to the raceway and are cage-guided. Cylindrical roller bearings can absorb higher loads than deep groove ball bearings. TMB produces single, double, triple and multi row cylindrical roller bearings. Single row cylindrical roller bearings are suitable for high speed applications. Following types are available: N, NU, NJ, NUP, NF, RNU, RN and cylindrical roller thrust bearings. If there is absorption of higher loads needed the usage of double, triple or multi row bearings is recommended. If the application demands high resistance of heavy loads then full complement cylindrical roller bearings should be installed. Those are cage less and have a larger number of roller elements.

2.3.2 Spherical Roller Bearings

Spherical roller bearings are self-aligning single row roller bearings. The roller elements are spherical. Inner and outer rings have a concave raceway. The inner ring has two flanges which guides the cage guided roller elements whereas the outer ring is flange free. Spherical roller bearings are particularly suitable if high radial shock loads occur and misalignment of the axis must be compensated. Their axial load carrying capacity of spherical roller bearings is small. A very widespread type of spherical roller bearings is double row spherical roller bearings.

2.3.3 Tapered Roller Bearings

Tapered roller bearings comprise inner ring, outer ring and tapered rollers with cage. Inner and outer rings have tapered raceways. Tapered roller bearings can take high radial loads and single-direction axial forces.

2 产品 / Products

2.4 关节轴承 / Spherical Slide Bearings

类型	外径尺寸 / Dimension (OD in mm)	Type
关节轴承	12 - 290	Spherical Slide Bearings
特殊关节轴承	12 - 290	Special Spherical Slide Bearings

2.4.1 关节轴承

关节轴承不带滚动体，内圈呈凹面，外圈呈凸面和内圈相配。

关节轴承可带润滑槽，位于内圈中间，也可不带。

天马生产8种不同类型的关节轴承，如角接触关节轴承的一种类型，宽内圈（双面），密封宽内圈。

2.4.1 Spherical Slide Bearings

Spherical slide bearings are plain bearings without any roller elements. They have a concave shaped inner ring and a perfectly fitting convex shaped outer ring.

Spherical slide bearings are available with or without a lubrication groove which is located in the middle of the inner ring.

In total TMB manufactures 8 different types of spherical slide bearings, for example with extended inner ring (both sides), extended and sealed inner ring as well as a type of angular contact spherical slide bearings.



2 产品 / Products

2.5 特殊轴承 / Special Bearings

2.5.1 根据客户要求定制的非标轴承

天马能对标准轴承进行改良，生产出适合客户应用要求的产品。相对重新研发来说，这在很大程度上能节省成本。

2.5.2 新研发非标轴承

天马能生产各种类型的轴承TMB (提供可行性方案). 天马充分了解如何生产各种球轴承、滚子轴承、关节轴承和回转支承。

不管是带多个内圈的轴承，还是有不同滚动体组合的轴承，天马都能完成。

天马能满足客户的各种要求并让客户感到满意。

2.5.1 Customized Standard Bearings

TMB is able to modify standard bearings to make them suitable to the requirements of certain applications. The advantage in comparison to a new development of a bearing are reduced costs.

2.5.2 New Developed Individual Bearings

TMB manufactures all kinds of bearings (feasibility given). The know-how includes the production of ball bearings, roller bearings, spherical plain bearings and slewing bearings.

Whether multiple inner rings or the combination of different rolling elements within a same bearing - TMB can do it.

In the past TMB could fulfill all customer requests with perfect satisfaction.



2 产品 / Products

2.6 机床 / Machinery

类型	工件尺寸 / Workpiece Dimension (in mm)		Type / Description
卧式车床	最小直径 / min Diameter: 1110 最小长度 / min Length: 2000	最大直径 / max Diameter: 6300 最大长度 / max Length: 30000	Horizontal Lathes
立式车床	最小直径 / min Diameter: 800 最小高度 / min Height: 500	最大直径 / max Diameter: 25000 最大高度 / max Height: 12500	Vertical Lathes

2.6.1 卧式车床

天马分公司齐重数控生产卧式数控车床，主要用于加工长度在2米到25米之间，重量高达600吨的工件，工件最大外径可达25米，机床主要用于生产传动轴。

2.6.1 Horizontal Lathes

TMB Qiqihar manufactures computer numerical controlled (CNC) lathes with horizontal milling direction. TMB horizontal lathes are used for work pieces with a length between 2 and 25 metres and a weight up to 600 tons. The maximum outer diameter can reach 25 metres. Among others these machines are used for drive shafts production.

2.6.2 立式车床

立式车床主要用于生产回转支承和发动机壳体。工件放置在旋转工作台上同时用单柱或双柱进行加工。天马生产的单柱和双柱立式车床可用于加工外径达25米，高度12.5米的工件。

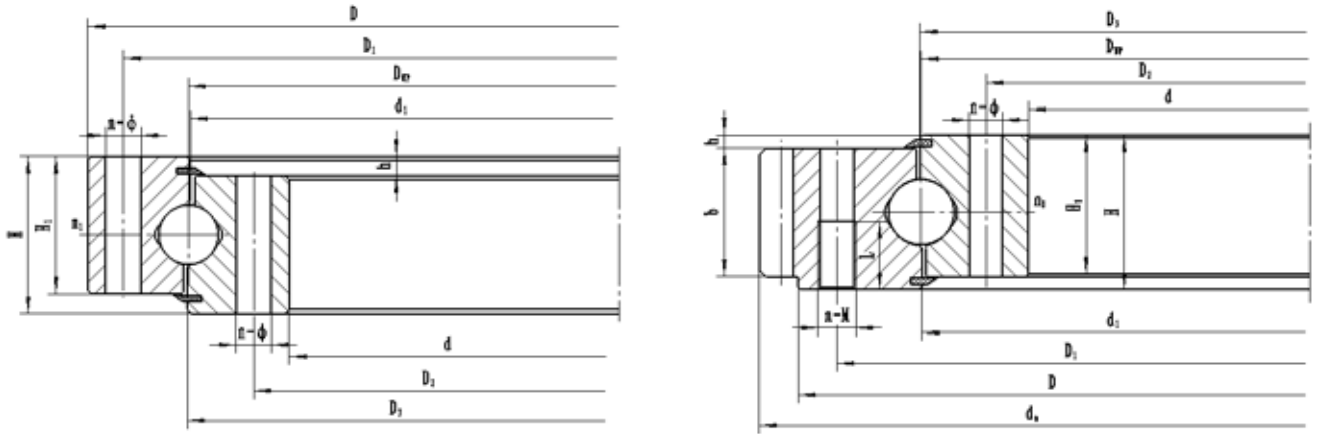
2.6.2 Vertical Lathes

Vertical lathes are used for instance for manufacturing slewing bearings and engine housings. The work piece is placed on a rotary table and machined by 1 tool (single column) or 2 tools at the same time (double column). TMB produces single and double column vertical lathes for work pieces with an outer diameter up to 25 m and a maximum height of 12.5 m.



3 表格 / Tables

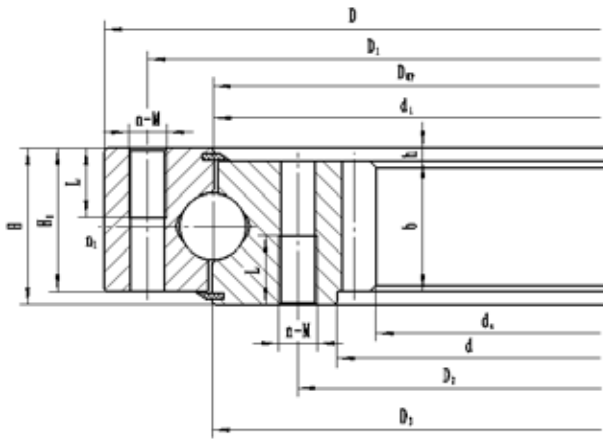
3.1 单排四点球式回转支承 (01系列) / Single Row Four Point Ball Slewing Bearings - 01 Series



基本型号 Basic Type			外形尺寸 Overall Dimension				安装孔尺寸 Mounting Hole Dimension					
D _{WP}			D	d	H	D ₁	D ₂	n	Φ	M	L	
无齿 Gearless	外齿 Outer Gear	内齿 Inner Gear										
010.20.200	011.20.200	-	280	120	60	248	152	12	16	M14	28	
010.20.224	011.20.224	-	304	144	60	272	176	12	16	M14	28	
010.20.250	011.20.250	-	330	170	60	298	202	18	16	M14	28	
010.20.280	011.20.280	-	360	200	60	328	232	18	16	M14	28	
010.25.315	011.25.315	013.25.315	408	222	70	372	258	20	18	M16	32	
010.25.355	011.25.355	013.25.355	448	262	70	412	298	20	18	M16	32	
010.25.400	011.25.400	013.25.400	493	307	70	475	343	20	18	M16	32	
010.25.450	011.25.450	013.25.450	543	357	70	507	393	20	18	M16	32	
010.30.500	011.30.500	013.30.500	602	398	80	566	434	20	18	M16	32	
	012.30.500	014.30.500										
010.25.500	011.25.500	013.25.500	602	398	80	566	434	20	18	M16	32	
	012.25.500	014.25.500										
010.30.560	011.30.560	013.30.560	662	458	80	626	494	20	18	M16	32	
	012.30.560	014.30.560										
010.25.560	011.25.560	013.25.560	662	458	80	626	494	20	18	M16	32	
	012.25.560	014.25.560										
010.30.630	011.30.630	013.30.630	732	528	80	696	564	24	18	M16	32	
	012.30.630	014.30.630										
010.25.630	011.25.630	013.25.630	732	528	80	696	564	24	18	M16	32	
	012.25.630	014.25.630										
010.30.710	011.30.710	013.30.710	812	608	80	776	644	24	18	M16	32	
	012.30.710	014.30.710										
010.25.710	011.25.710	013.25.710	812	608	80	776	644	24	18	M16	32	
	012.25.710	014.25.710										

3 表格 / Tables

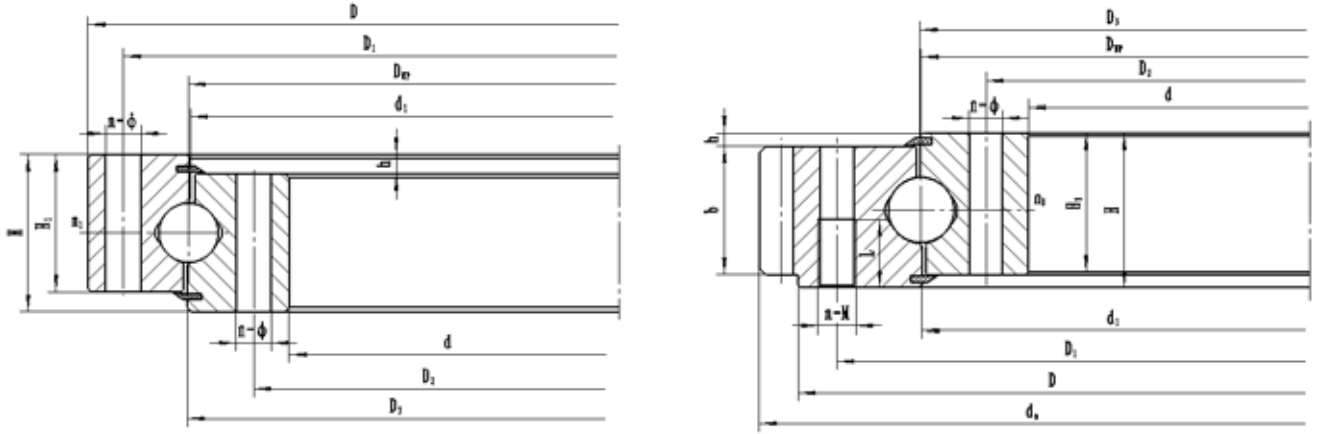
3.1 单排四点球式回转支承 (01系列) / Single Row Four Point Ball Slewing Bearings - 01 Series



结构尺寸 Structure Dimension				齿轮参数 Gear Parameter				外齿参数 Outer Gear Parameter		内齿参数 Inner Gear Parameter		齿轮圆周力 Circumferential Force on Gear		重量 Weight
n_1	D_3	d_1	H_1	h	b	x	m	d_a	z	d_a	z	正火 Norm.	调质 QT	kg
mm	mm	mm	mm	mm	mm	x	mm	mm		mm		10^4 N	10^4 N	
2	201	199	50	10	40	+0.5	3	300	98	-	-	-	-	-
2	225	223	50	10	40	+0.5	3	312	105	-	-	-	-	-
2	251	249	50	10	40	+0.5	4	352	86	-	-	-	-	-
2	281	279	50	10	40	+0.5	4	348	94	-	-	-	-	-
2	316	314	60	10	50	+0.5	5	435	85	190	40	2.9	4.4	41
2	356	354	60	10	50	+0.5	5	475	93	235	49	2.9	4.4	53
2	401	399	60	10	50	+0.5	6	528	86	276	48	3.5	5.3	60
2	451	449	60	10	50	+0.5	6	576	94	324	56	3.5	5.3	60
4	501	498	70	10	60	+0.5	5	629	123	367	74	3.8	5.2	85
							6	628.8	102	368.4	62	4.5	6.2	
4	501	499	70	10	60	+0.5	5	629	123	367	74	3.1	4.3	85
							6	628.8	102	368.4	62	3.8	5.2	
4	561	558	70	10	60	+0.5	5	689	135	427	86	3.8	5.2	95
							6	688.8	112	428.4	72	4.5	6.2	
4	561	559	70	10	60	+0.5	5	689	135	427	86	3.1	4.3	95
							6	688.8	112	428.4	72	3.8	5.2	
4	631	628	70	10	60	+0.5	6	772.8	126	494.4	83	4.5	6.2	110
							8	774.4	94	491.2	62	6	8.3	
4	631	629	70	10	60	+0.5	6	772.8	126	494.4	83	3.8	5.2	110
							8	774.4	94	491.2	62	5	6.9	
4	711	708	70	10	60	+0.5	6	850.8	139	572.4	96	4.5	6.2	120
							8	854.4	104	571.2	72	6	8.3	
4	711	709	70	10	60	+0.5	6	850.8	139	572.4	96	3.8	5.2	120
							8	854.4	104	571.2	72	5	6.9	

3 表格 / Tables

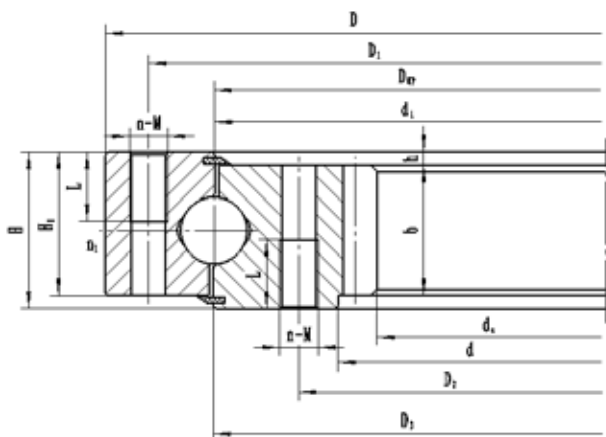
3.1 单排四点球式回转支承 (01系列) / Single Row Four Point Ball Slewing Bearings - 01 Series



基本型号 Basic Type			外形尺寸 Overall Dimension				安装孔尺寸 Mounting Hole Dimension					
D _{WP}			D	d	H	D ₁	D ₂	n	Φ	M	L	
无齿 Gearless	外齿 Outer Gear	内齿 Inner Gear	mm	mm	mm	mm	mm	mm	mm	mm	mm	
010.40.800	011.40.800	013.40.800	922	678	100	878	722	30	22	M20	40	
	012.40.800	014.40.800										
010.30.800	011.30.800	013.30.800	922	678	100	878	722	30	22	M20	40	
	012.30.800	014.30.800										
010.40.900	011.40.900	013.40.900	1022	778	100	978	822	30	22	M20	40	
	012.40.900	014.40.900										
010.30.900	011.30.900	013.30.900	1022	778	100	978	822	30	22	M20	40	
	012.30.900	014.30.900										
010.40.1000	011.40.1000	013.40.1000	1122	878	100	1078	922	36	22	M20	40	
	012.40.1000	014.40.1000										
010.30.1000	011.30.1000	013.30.1000	1122	878	100	1078	922	36	22	M20	40	
	012.30.1000	014.30.1000										
010.40.1120	011.40.1120	013.40.1120	1242	998	100	1198	1042	36	22	M20	40	
	012.40.1120	014.40.1120										
010.30.1120	011.30.1120	013.30.1120	1242	998	100	1198	1042	36	22	M20	40	
	012.30.1120	014.30.1120										
010.45.1250	011.45.1250	013.45.1250	1390	1110	110	1337	1163	40	26	M24	48	
	012.45.1250	014.45.1250										
010.35.1250	011.35.1250	013.35.1250	1390	1110	110	1337	1163	40	26	M24	48	
	012.35.1250	014.35.1250										
010.45.1400	011.45.1400	013.45.1400	1540	1260	110	1487	1313	40	26	M24	48	
	012.45.1400	014.45.1400										
010.35.1400	011.35.1400	013.35.1400	1540	1260	110	1487	1313	40	26	M24	48	
	012.35.1400	014.35.1400										

3 表格 / Tables

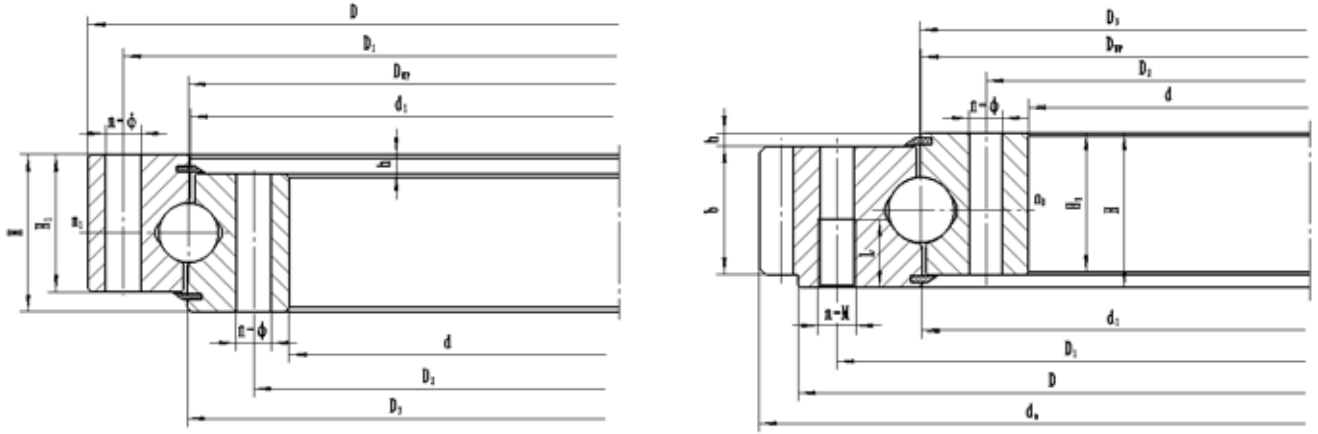
3.1 单排四点球式回转支承 (01系列) / Single Row Four Point Ball Slewing Bearings - 01 Series



结构尺寸 Structure Dimension					齿轮参数 Gear Parameter				外齿参数 Outer Gear Parameter		内齿参数 Inner Gear Parameter		齿轮圆周力 Circumferential Force on Gear		重量 Weight
n_1	D_3	d_1	H_1	h	b	x	m	d_a	z	d_a	z	正火 Norm.	调质 QT		
mm	mm	mm	mm	mm	mm	x	mm	mm		mm		10^4 N	10^4 N	kg	
6	801	798	90	10	80	+0.5	8	966.4	118	635.2	80	8	11.1	220	
6	801	798	90	10	80	+0.5	8	966.4	118	635.2	80	6	8.3	220	
							10	968	94	634	64	7.5	10.5		
6	901	898	90	10	80	+0.5	8	1062.4	130	739.2	93	8	11.1	240	
6	901	898	90	10	80	+0.5	8	1062.4	130	739.2	93	6	8.3	240	
							10	1068	104	734	74	7.5	10.5		
6	1001	998	90	10	80	+0.5	10	1188	116	824	83	10	14	270	
6	1001	998	90	10	80	+0.5	10	1188	116	824	83	7.5	10.5	270	
							12	1185.6	96	820.8	69	9	12.5		
6	1121	1118	90	10	80	+0.5	10	1298	127	944	95	10	14	300	
6	1121	1118	90	10	80	+0.5	10	1298	127	944	95	7.5	10.5	300	
							12	1305.6	106	940.8	79	9	12.5		
5	1252	1248	100	10	90	+0.5	12	1449.6	118	1048.8	88	13.5	18.8	420	
5	1251	1248	100	10	90	+0.5	14	1453.2	101	1041.6	75	15.8	21.9	420	
							12	1449.6	118	1048.8	88	10.5	14.6		
5	1402	1398	100	10	90	+0.5	12	1605.6	131	1192.8	100	13.5	18.8	480	
5	1401	1398	100	10	90	+0.5	14	1607.2	112	1195.6	86	15.8	21.9	480	
							12	1605.6	131	1192.8	100	10.5	14.6		
5	1401	1398	100	10	90	+0.5	14	1607.2	112	1195.6	86	12.3	17	480	
							12	1605.6	131	1192.8	100	10.5	14.6		

3 表格 / Tables

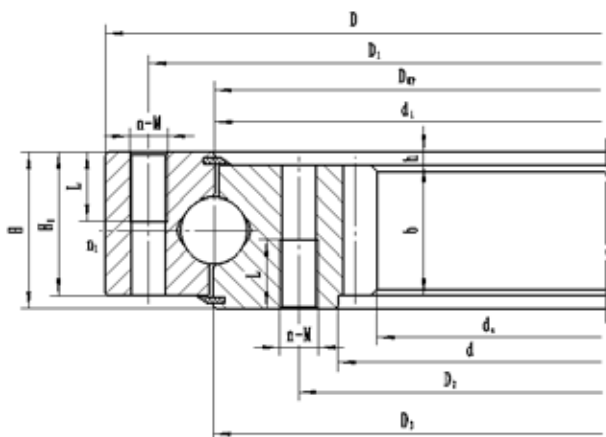
3.1 单排四点球式回转支承 (01系列) / Single Row Four Point Ball Slewing Bearings - 01 Series



基本型号 Basic Type			外形尺寸 Overall Dimension				安装孔尺寸 Mounting Hole Dimension					
D _{WP}			D	d	H	D ₁	D ₂	n	Φ	M	L	
无齿 Gearless	外齿 Outer Gear	内齿 Inner Gear	mm	mm	mm	mm	mm	mm	mm	mm	mm	
010.45.1600	011.45.1600	013.45.1600	1740	1460	110	1687	1513	45	26	M24	48	
	012.45.1600	014.45.1600										
010.35.1600	011.35.1600	013.35.1600	1740	1460	110	1687	1513	45	26	M24	48	
	012.35.1600	014.35.1600										
010.45.1800	011.45.1800	013.45.1800	1940	1660	110	1887	1713	45	26	M24	48	
	012.45.1800	014.45.1800										
010.35.1800	011.35.1800	013.35.1800	1940	1660	110	1887	1713	45	26	M24	48	
	012.35.1800	014.35.1800										
010.60.2000	011.60.2000	013.60.2000	2178	1825	144	2110	1891	48	33	M30	60	
	012.60.2000	014.60.2000										
010.40.2000	011.40.2000	013.40.2000	2178	1825	144	2110	1891	48	33	M30	60	
	012.40.2000	014.40.2000										
010.60.2240	011.60.2240	013.60.2240	2418	2065	144	2350	2131	48	33	M30	60	
	012.60.2240	014.60.2240										
010.40.2240	011.40.2240	013.40.2240	2418	2065	144	2350	2131	48	33	M30	60	
	012.40.2240	014.40.2240										
010.60.2500	011.60.2500	013.60.2500	2678	2325	144	2610	2391	56	33	M30	60	
	012.60.2500	014.60.2500										
010.40.2500	011.40.2500	013.40.2500	2678	2325	144	2610	2391	56	33	M30	60	
	012.40.2500	014.40.2500										
010.60.2800	011.60.2800	013.60.2800	2978	2625	144	2910	2691	56	33	M30	60	
	012.60.2800	014.60.2800										
010.40.2800	011.40.2800	013.40.2800	2978	2625	144	2910	2691	56	33	M30	60	
	012.40.2800	014.40.2800										

3 表格 / Tables

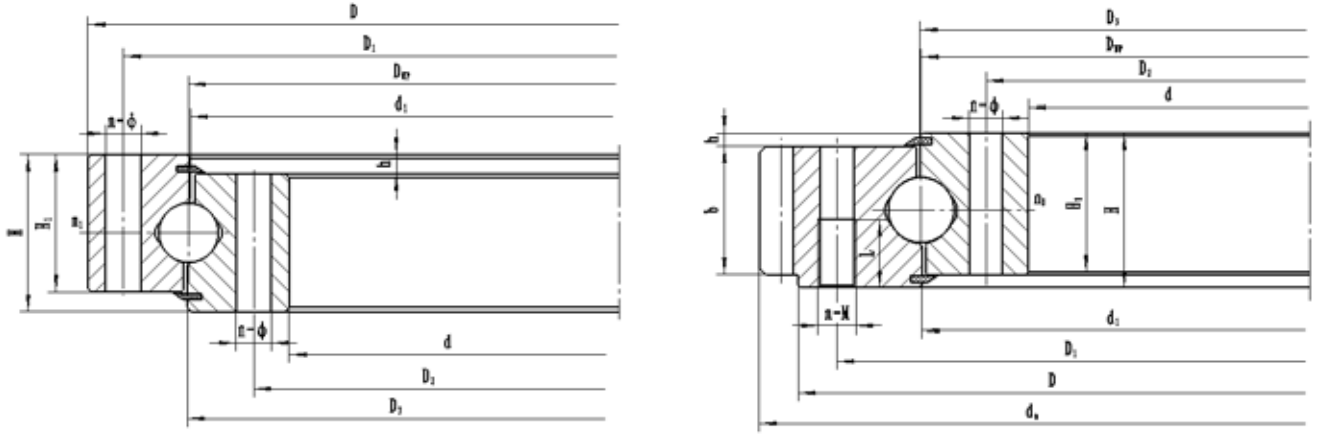
3.1 单排四点球式回转支承 (01系列) / Single Row Four Point Ball Slewing Bearings - 01 Series



结构尺寸 Structure Dimension					齿轮参数 Gear Parameter				外齿参数 Outer Gear Parameter		内齿参数 Inner Gear Parameter		齿轮圆周力 Circumferential Force on Gear		重量 Weight
n_1	D_3	d_1	H_1	h	b	x	m	d_a	z	d_a	z	正火 Norm.	调质 QT		
mm	mm	mm	mm	mm	mm	x	mm	mm		mm		10^4 N	10^4 N	kg	
5	1602	1598	100	10	90	+0.5	14	1817.2	127	1391.6	100	15.8	21.9	550	
5	1601	1598	100	10	90	+0.5	14	1817.2	127	1391.6	100	12.3	17	550	
							16	1820.8	111	1382.4	87	14.1	19.4		
5	1802	1798	100	10	90	+0.5	14	2013.2	141	1573.6	113	15.8	21.9	610	
5	1801	1798	100	10	90	+0.5	14	2013.2	141	1573.6	113	12.3	14	610	
							16	2012.8	123	1574.4	99	14.1	19.4		
8	2002	1998	132	12	120	+0.5	16	2268.8	139	1734.4	109	24.1	33.3	1100	
							18	2264.4	123	1735.2	97	27.1	37.5		
8	2001	1998	132	12	120	+0.5	16	2268.8	139	1734.4	109	16.1	22.2	1100	
							18	2264.4	123	1735.2	97	18.1	25		
8	2242	2238	132	12	120	+0.5	16	2492.8	153	1990.4	125	24.1	33.3	1250	
							18	2498.4	136	1987.2	111	27.1	37.5		
8	2241	2238	132	12	120	+0.5	16	2492.8	153	1990.4	125	16.1	22.2	1250	
							18	2498.4	136	1987.2	111	18.1	25		
8	2502	2498	132	12	120	+0.5	18	2768.4	151	2239.2	125	27.1	37.5	1400	
							20	2776	136	2228	112	30.1	41.8		
8	2501	2498	132	12	120	+0.5	18	2768.4	151	2239.2	125	18.1	25	1400	
							20	2776	136	2228	112	20.1	27.9		
8	2802	2798	132	12	120	+0.5	18	3074.4	168	2527.2	141	27.1	37.5	1600	
							20	3076	151	2528	127	30.1	41.8		
8	2801	2798	132	12	120	+0.5	18	3074.4	168	2527.2	141	18.1	25	1600	
							20	3076	151	2528	127	20.1	27.9		

3 表格 / Tables

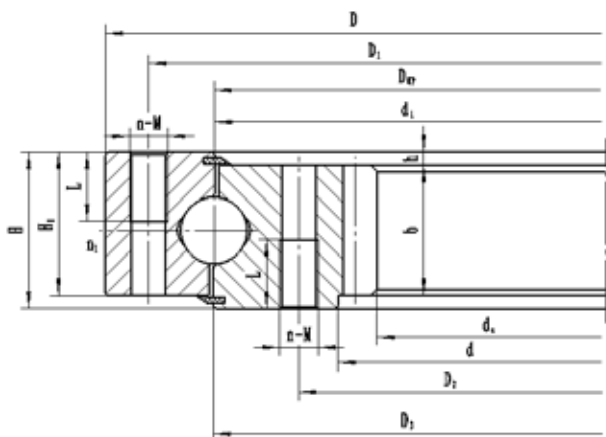
3.1 单排四点球式回转支承 (01系列) / Single Row Four Point Ball Slewing Bearings - 01 Series



基本型号			外形尺寸				安装孔尺寸				
Basic Type			Overall Dimension				Mounting Hole Dimension				
D _{WP}			D	d	H	D ₁	D ₂	n	Φ	M	L
无齿	外齿	内齿									
Gearless	Outer Gear	Inner Gear	mm	mm	mm	mm	mm	mm	mm	mm	mm
010.75.3150	011.75.3150	013.75.3150	3376	2922	174	3286	3014	56	45	M42	84
	012.75.3150	014.75.3150									
010.50.3150	011.50.3150	013.50.3150	3376	2922	174	3286	3014	56	45	M42	84
	012.50.3150	014.50.3150									
010.75.3550	011.75.3550	013.75.3550	3776	3322	174	3686	3414	56	45	M42	84
	012.75.3550	014.75.3550									
010.50.3550	011.50.3550	013.50.3550	3776	3322	174	3686	3414	56	45	M42	84
	012.50.3550	014.50.3550									
010.75.4000	011.75.4000	013.75.4000	4226	3772	174	4136	3864	60	45	M42	84
	012.75.4000	014.75.4000									
010.50.4000	011.50.4000	013.50.4000	4226	3772	174	4136	3864	60	45	M42	84
	012.50.4000	014.50.4000									
010.75.4500	011.75.4500	013.75.4500	4726	4272	174	4636	4364	60	45	M42	84
	012.75.4500	014.75.4500									
010.50.4500	011.50.4500	013.50.4500	4726	4272	174	4636	4364	60	45	M42	84
	012.50.4500	014.50.4500									

3 表格 / Tables

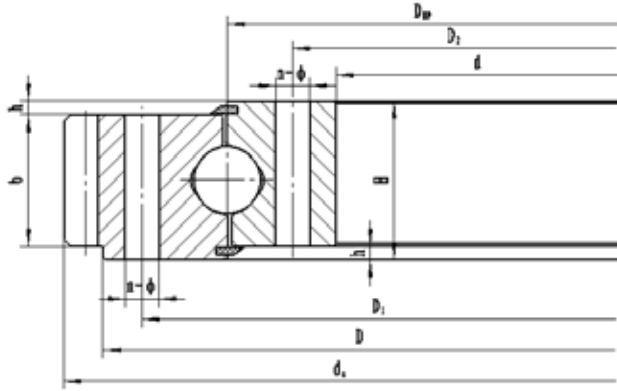
3.1 单排四点球式回转支承 (01系列) / Single Row Four Point Ball Slewing Bearings - 01 Series



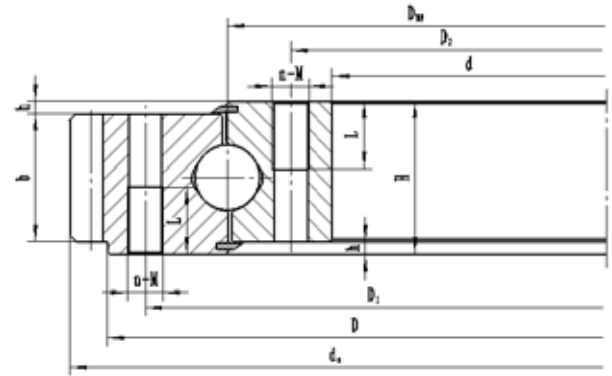
结构尺寸				齿轮参数				外齿参数		内齿参数		齿轮圆周力		重量
Structure Dimension				Gear Parameter				Outer Gear Parameter		Inner Gear Parameter		Circumferential Force on Gear		Weight
n_1	D_3	d_1	H_1	h	b	x	m	d_a	z	d_a	z	正火 Norm.	调质 QT	kg
mm	mm	mm	mm	mm	mm	x	mm	mm		mm		10^4 N	10^4 N	
8	3152	3147	162	12	150	+0.5	20	3476	171	2828	142	37.7	52.2	2800
							22	3471.6	155	2824.8	129	41.5	57.4	
8	3152	3148	162	12	150	+0.5	20	3476	171	2828	142	25.1	34.8	2800
							22	3471.6	155	2824.8	129	27.7	38.3	
8	3552	3547	162	12	150	+0.5	20	3876	191	3228	162	37.7	52.2	3200
							22	3889.6	174	3220.8	147	41.5	57.4	
8	3552	3548	162	12	150	+0.5	20	3876	191	3228	162	25.1	34.8	3200
							22	3889.6	174	3220.8	147	27.7	38.3	
10	4002	3997	162	12	150	+0.5	22	4329.6	194	3660.8	167	41.5	57.4	3600
							25	4345	171	3660	147	47.1	65.2	
10	4002	3998	162	12	150	+0.5	22	4329.6	194	3660.8	167	27.7	38.3	3600
							25	4345	171	3660	147	31.4	43.5	
10	4502	4497	162	12	150	+0.5	22	4835.6	217	4166.8	190	41.5	57.4	4000
							25	4845	191	4160	167	47.1	65.2	
10	4502	4498	162	12	150	+0.5	22	4836.2	217	4166.8	190	27.7	38.3	4000
							25	4845	191	4160	167	31.4	43.5	

3 表格 / Tables

3.2 单排四点球式回转支承 (QW系列) / Single Row Four Point Ball Slewing Bearings - QW Series



QWA

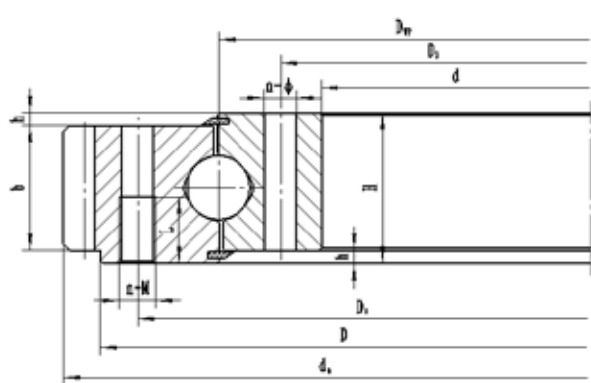


QWB

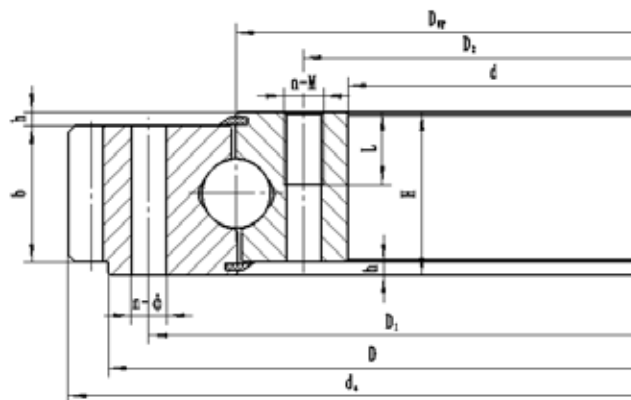
型号 Type	外形尺寸 Overall Dimension				安装孔尺寸 Mounting Hole Dimension					
	D	d	H	h	D ₁	D ₂	n	通孔 Through Hole	螺纹孔 Threaded Hole	
类型 / Type A								类型 / Type B, C, D		
外齿 outer gear	mm	mm	mm	mm	mm	mm		Φ	M	L
315.20	406	222	60	10	370	260	10	17	M16	24
315.20A										
355.20	446	262	60	10	410	300	10	17	M16	24
355.20A										
400.20	490	307	60	10	455	345	12	17	M16	24
400.20A										
450.20	540	357	60	10	505	395	12	17	M16	24
450.20A										
500.20	590	404	60	10	555	445	14	17	M16	24
500.20A										
560.20	654	464	70	10	618	502	14	17	M16	30
560.20A										
630.20	724	534	70	10	688	575	16	17	M16	30
630.20A										
710.20	804	614	70	10	768	652	18	17	M16	30
710.20A										
800.20	894	704	70	10	858	742	20	17	M16	30
800.20A										
800.25	904	692	78	10	864	736	18	22	M20	36
800.25A										
900.25	1004	792	78	10	964	836	20	22	M20	36
900.25A										

3 表格 / Tables

3.2 单排四点球式回转支承 (QW系列) / Single Row Four Point Ball Slewing Bearings - QW Series



QWC

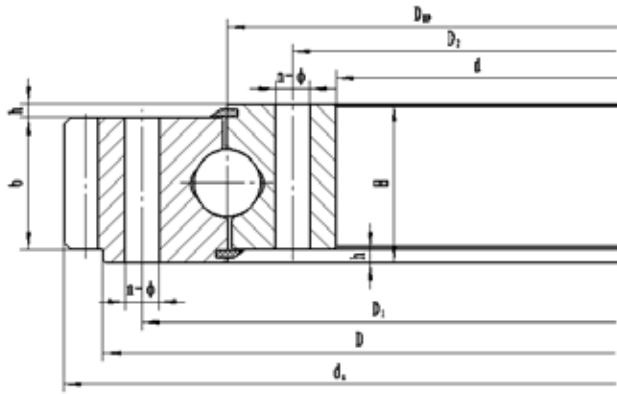


QWD

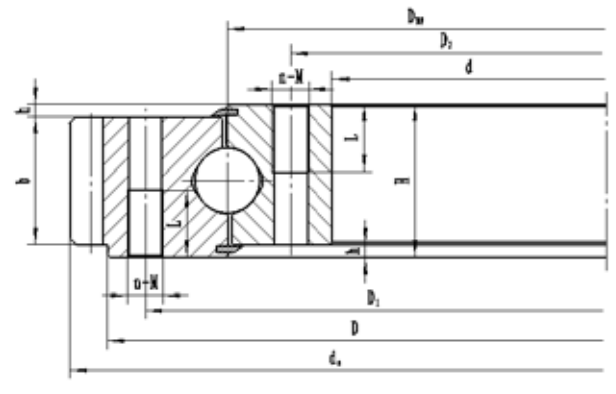
外齿参数				重量
Outer Gear Parameter				Weight
m	b	x = -0.5		Gw
		da	z	
mm	mm	mm		kg
3	40	423	140	35
4	40	428	106	36
3	40	462	453	40
4	40	468	116	41
4	40	512	127	45
5	40	520	103	47
4	40	564	140	51
5	40	570	113	53
5	40	615	122	56
6	40	624	103	58
4	50	680	169	78
5	50	685	136	79
4	50	748	186	86
5	50	755	150	88
5	50	835	166	99
6	50	840	139	101
6	50	930	154	114
8	50	936	116	114
6	58	942	156	143
8	58	952	118	147
8	58	1048	130	162
10	58	1060	105	168

3 表格 / Tables

3.2 单排四点球式回转支承 (QW系列) / Single Row Four Point Ball Slewing Bearings - QW Series



QWA

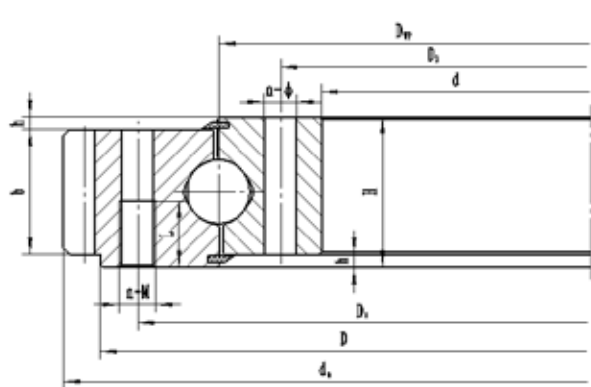


QWB

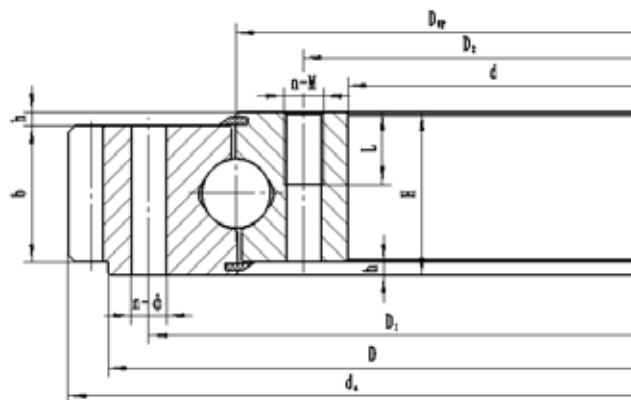
型号 Type	外形尺寸 Overall Dimension				安装孔尺寸 Mounting Hole Dimension					
	D	d	H	h	D ₁	D ₂	n	通孔 Through Hole	螺纹孔 Threaded Hole	
类型 / Type A								类型 / Type B, C, D		
外齿 outer gear	mm	mm	mm	mm	mm	mm	mm	M	L	
1000.25	1104	892	78	10	1064	936	24	22	M20	36
1000.25A										
1000.32	1120	876	90	10	1074	926	24	24	M22	40
1000.32A										
1120.32	1240	996	90	10	1194	1046	28	24	M22	40
1120.32A										
1250.32	1370	1126	90	10	1324	1176	32	24	M22	40
1250.32A										
1400.32	1520	1276	90	10	1474	1326	36	24	M22	40
1400.32A										
1250.40	1390	1108	102	12	1336	1164	32	26	M24	45
1250.40A										
1400.40	1540	1258	102	12	1486	1614	36	26	M24	45
1400.40A										
1400.32	1520	1276	90	10	1474	1326	36	24	M22	40
1400.32A										
1250.40	1390	1108	102	12	1336	1164	32	26	M24	45
1250.40A										
1400.40	1540	1258	102	12	1486	1614	36	26	M24	45
1400.40A										
1600.40	1740	1458	102	12	1686	1514	40	26	M24	45
1600.40A										

3 表格 / Tables

3.2 单排四点球式回转支承 (QW系列) / Single Row Four Point Ball Slewing Bearings - QW Series



QWC

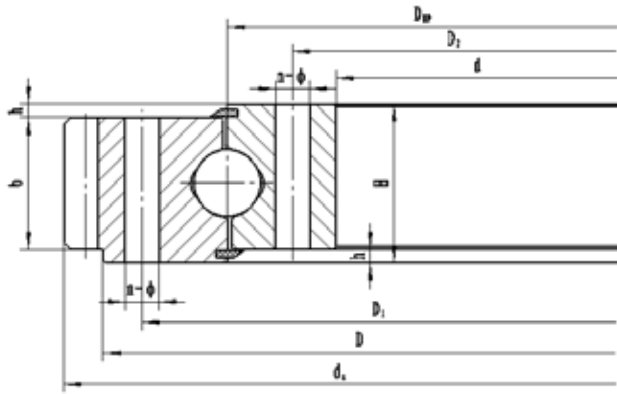


QWD

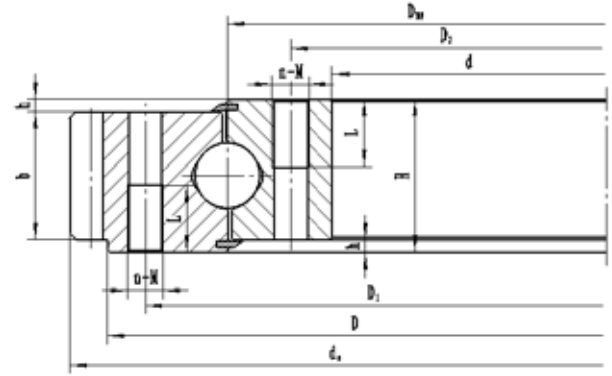
外齿参数				重量
Outer Gear Parameter				Weight
x = -0.5				
m	b	da	z	Gw
mm	mm	mm		kg
8	58	1152	143	182
10	58	1160	115	185
8	70	1160	144	227
10	70	1170	116	232
10	70	1300	129	272
12	70	1308	108	275
10	70	1430	142	302
12	70	1440	119	309
12	70	1584	131	337
14	70	1596	113	347
10	80	1450	144	396
12	80	1452	120	392
12	80	1608	133	448
14	80	1610	114	443
12	70	1584	131	337
14	70	1596	113	347
10	80	1450	144	396
12	80	1452	120	392
12	80	1608	133	448
14	80	1610	114	443
12	80	1812	150	528
14	80	1820	129	534

3 表格 / Tables

3.2 单排四点球式回转支承 (QW系列) / Single Row Four Point Ball Slewing Bearings - QW Series



QWA

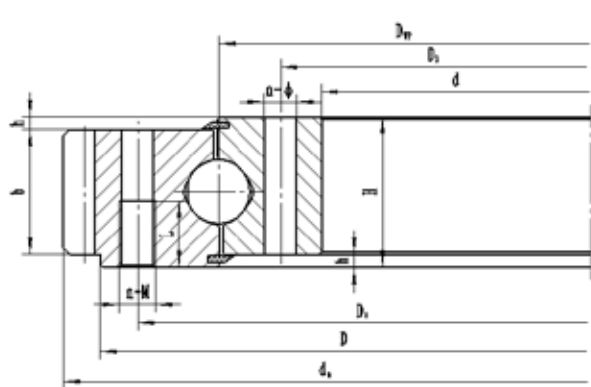


QWB

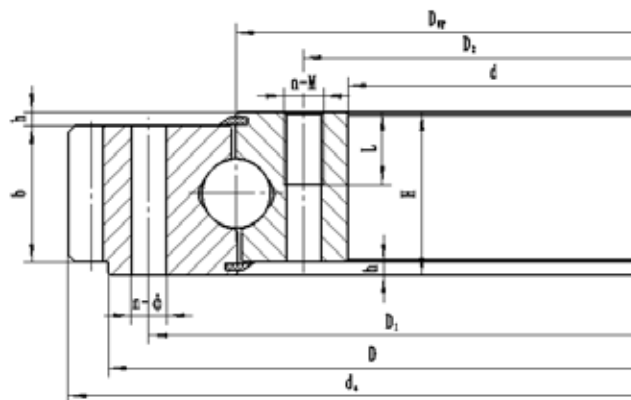
型号 Type	外形尺寸 Overall Dimension				安装孔尺寸 Mounting Hole Dimension					
	D	d	H	h	D ₁	D ₂	n	通孔 Through Hole	螺纹孔 Threaded Hole	
类型 / Type A								类型 / Type B, C, D		
外齿 outer gear	mm	mm	mm	mm	mm	mm		Φ	M	L
1800.40	1940	1658	102	12	1886	1714	44	26	M24	45
1800.40A										
1600.50	1762	1434	124	12	1704	1496	40	30	M27	50
1600.50A										
1800.50	1964	1634	124	12	1094	1696	44	30	M27	50
1800.50A										
2000.50	2162	1834	124	12	2104	1896	48	30	M27	50
2000.50A										
2240.50	2402	2074	124	12	2344	2136	54	30	M27	50
2240.50A										
2500.50	2662	2334	124	12	2604	2396	60	30	M27	50
2500.50A										
2500.60	2696	2304	150	12	2626	2374	60	33	M30	56
2500.60A										

3 表格 / Tables

3.2 单排四点球式回转支承 (QW系列) / Single Row Four Point Ball Slewing Bearings - QW Series



QWC

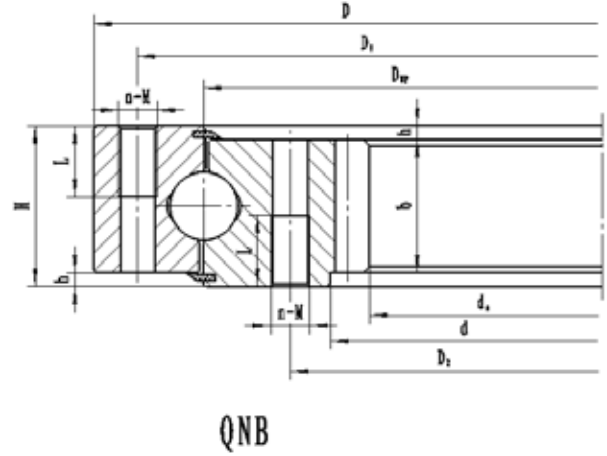
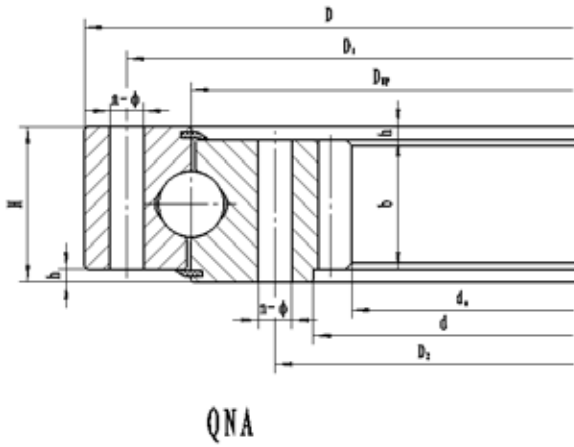


QWD

外齿参数				重量
Outer Gear Parameter				Weight
x = -0.5				
m	b	da	z	Gw
mm	mm	mm		kg
14	80	2016	143	583
16	80	2032	126	607
12	100	1824	151	714
14	100	1834	130	727
14	100	2044	145	845
16	100	2048	127	843
16	100	2240	139	912
18	100	2250	124	927
16	100	2480	154	1020
18	100	2502	138	1078
18	100	2754	152	1171
20	100	2760	137	1175
18	122	2790	154	1677
20	122	2800	139	1701

3 表格 / Tables

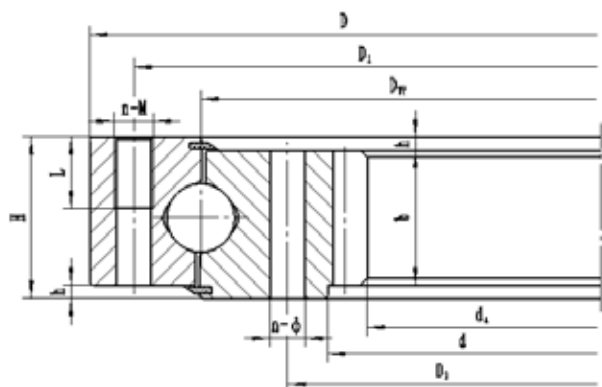
3.3 单排四点球式回转支承 (QN系列) / Single Row Four Point Ball Slewing Bearings - QN Series



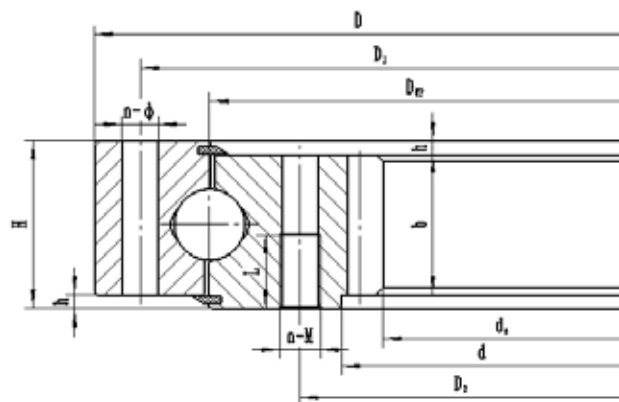
型号 Type	外形尺寸 Overall Dimension				安装孔尺寸 Mounting Hole Dimension							
	内齿 inner gear	D mm	d mm	H mm	h mm	D ₁ mm	D ₂ mm	n	通孔 Through Hole		螺纹孔 Threaded Hole	
									类型 / Type A		类型 / Type B, C, D	
									Φ mm	M	L	
315.20 315.20A	408	224	60	10	370	260	10	17	M16	24		
355.20 355.20A	448	164	60	10	410	300	10	17	M16	24		
400.20 400.20A	496	310	60	10	455	345	12	17	M16	24		
450.20 450.20A	543	360	60	10	505	395	12	17	M16	24		
500.20 500.20A	593	410	60	10	555	445	14	17	M16	24		
560.20 560.20A	656	468	70	10	618	502	14	17	M16	30		
630.20 630.20A	726	538	70	10	688	575	16	17	M16	30		
710.20 710.20A	806	618	70	10	768	652	18	17	M16	30		
800.20 800.20A	896	708	70	10	858	742	20	17	M16	30		
800.25 800.25A	908	694	78	10	864	736	18	22	M20	36		
900.25 900.25A	1008	794	78	10	964	836	20	22	M20	36		

3 表格 / Tables

3.3 单排四点球式回转支承 (QN系列) / Single Row Four Point Ball Slewing Bearings - QN Series



QNC

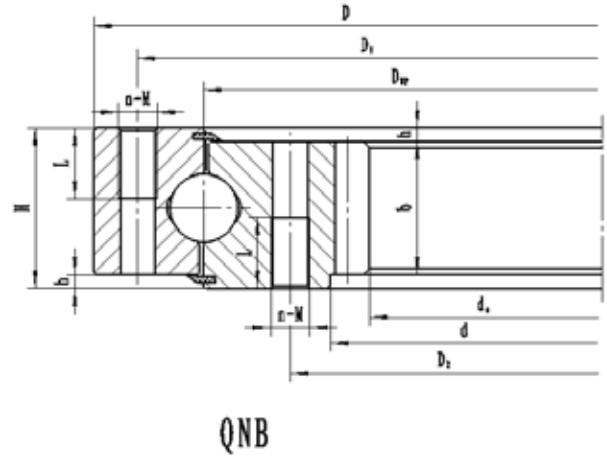
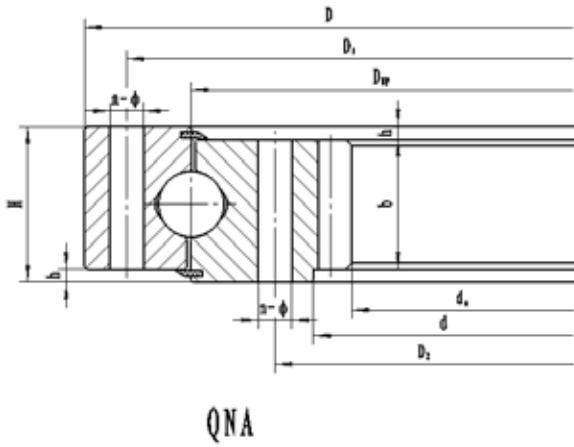


QND

内齿参数				重量
Inner Gear Parameter				Weight
m	b	x= +0.5		kg
		d _a	z	
mm	mm	mm		
3	40	207	70	34
4	40	200	51	35
3	40	246	84	39
4	40	240	61	40
4	40	288	73	44
5	40	280	57	46
4	40	336	85	50
5	40	330	67	52
5	40	385	78	55
6	40	378	64	57
4	50	440	111	76
5	50	435	88	77
4	50	512	129	84
5	50	505	102	86
5	50	585	118	97
6	50	582	98	97
6	50	672	113	110
8	50	664	84	111
6	58	654	110	142
8	58	648	82	142
8	58	744	94	163
10	58	740	75	162

3 表格 / Tables

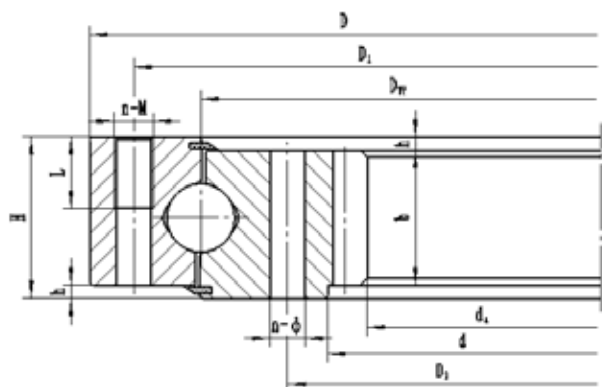
3.3 单排四点球式回转支承 (QN系列) / Single Row Four Point Ball Slewing Bearings - QN Series



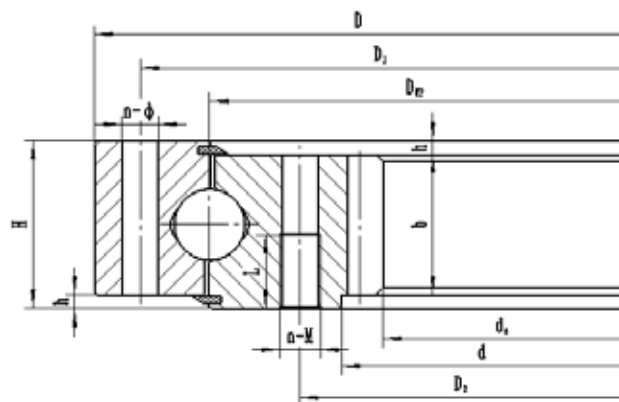
型号 Type	外形尺寸 Overall Dimension				安装孔尺寸 Mounting Hole Dimension						
	D	d	H	h	D ₁	D ₂	n	通孔 Through Hole		螺纹孔 Threaded Hole	
类型 / Type A								类型 / Type B, C, D	M	L	
内齿 inner gear	mm	mm	mm	mm	mm	mm		mm			
1000.25	1108	894	78	10	1064	936	24	22	M20	36	
1000.25A											
1000.32	1124	880	90	10	1074	926	24	24	M22	40	
1000.32A											
1120.32	1244	1000	90	10	1194	1046	28	24	M22	40	
1120.32A											
1250.32	1374	1130	90	10	1324	1176	32	24	M22	40	
1250.32A											
1400.32	1524	1280	90	10	1474	1326	36	24	M22	40	
1400.32A											
1250.40	1394	1110	102	12	1336	1164	32	26	M24	45	
1250.40A											
1400.40	1544	1260	102	12	1486	1614	36	26	M24	45	
1400.40A											
1400.32	1524	1280	90	10	1474	1326	36	24	M22	40	
1400.32A											
1250.40	1394	1110	102	12	1336	1164	32	26	M24	45	
1250.40A											
1400.40	1544	1260	102	12	1486	1614	36	26	M24	45	
1400.40A											
1600.40	1744	1460	102	12	1686	1514	40	26	M24	45	
1600.40A											

3 表格 / Tables

3.3 单排四点球式回转支承 (QN系列) / Single Row Four Point Ball Slewing Bearings - QN Series



QNC

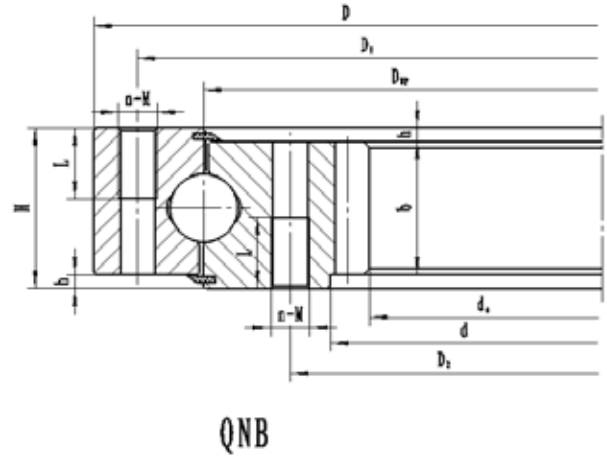
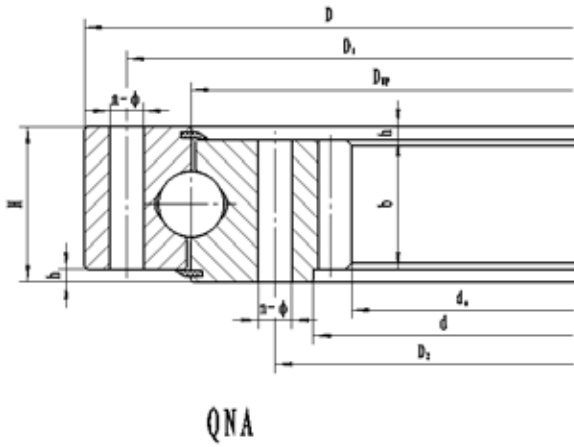


QND

内齿参数				重量
Inner Gear Parameter				Weight
m	b	x=+0.5		kg
		d _a	z	
mm	mm	mm		
8	58	848	107	178
10	58	840	85	179
8	70	832	105	230
10	70	830	84	227
10	70	940	95	263
12	70	936	79	262
10	70	1070	108	294
12	70	1068	90	290
12	70	1212	102	333
14	70	1204	87	336
10	80	1050	106	388
12	80	1044	88	388
12	80	1188	100	444
14	80	1190	86	434
12	70	1212	102	333
14	70	1204	87	336
10	80	1050	106	388
12	80	1044	88	388
12	80	1188	100	444
14	80	1190	86	434
12	80	1392	117	509
14	80	1386	100	511

3 表格 / Tables

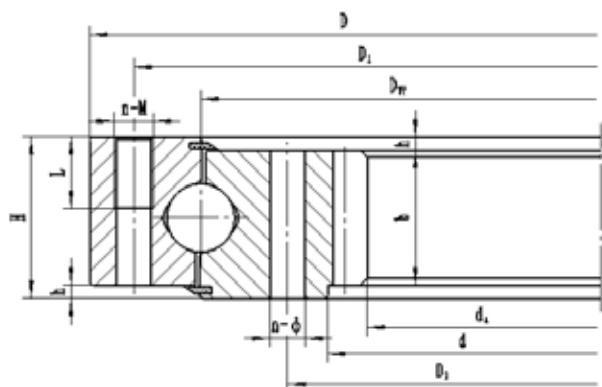
3.3 单排四点球式回转支承 (QN系列) / Single Row Four Point Ball Slewing Bearings - QN Series



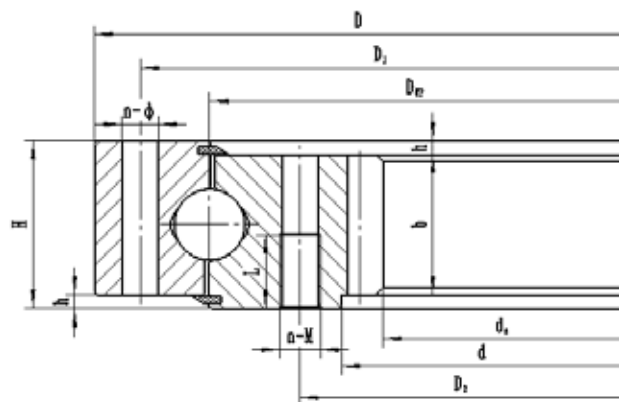
型号 Type	外形尺寸 Overall Dimension				安装孔尺寸 Mounting Hole Dimension					
	D	d	H	h	D ₁	D ₂	n	通孔 Through Hole	螺纹孔 Threaded Hole	
类型 / Type A								类型 / Type B, C, D		
内齿 inner gear	mm	mm	mm	mm	mm	mm		Φ	M	L
1800.40	1944	1660	102	12	1886	1714	44	26	M24	45
1800.40A										
1600.50	1766	1438	124	12	1704	1496	40	30	M27	50
1600.50A										
1800.50	1966	1638	124	12	1094	1696	44	30	M27	50
1800.50A										
2000.50	2166	1842	124	12	2104	1896	48	30	M27	50
2000.50A										
2240.50	2406	2078	124	12	2344	2136	54	30	M27	50
2240.50A										
2500.50	2666	2342	124	12	2604	2396	60	30	M27	50
2500.50A										
2500.60	2696	2308	150	12	2626	2374	60	33	M30	56
2500.60A										

3 表格 / Tables

3.3 单排四点球式回转支承 (QN系列) / Single Row Four Point Ball Slewing Bearings - QN Series



QNC

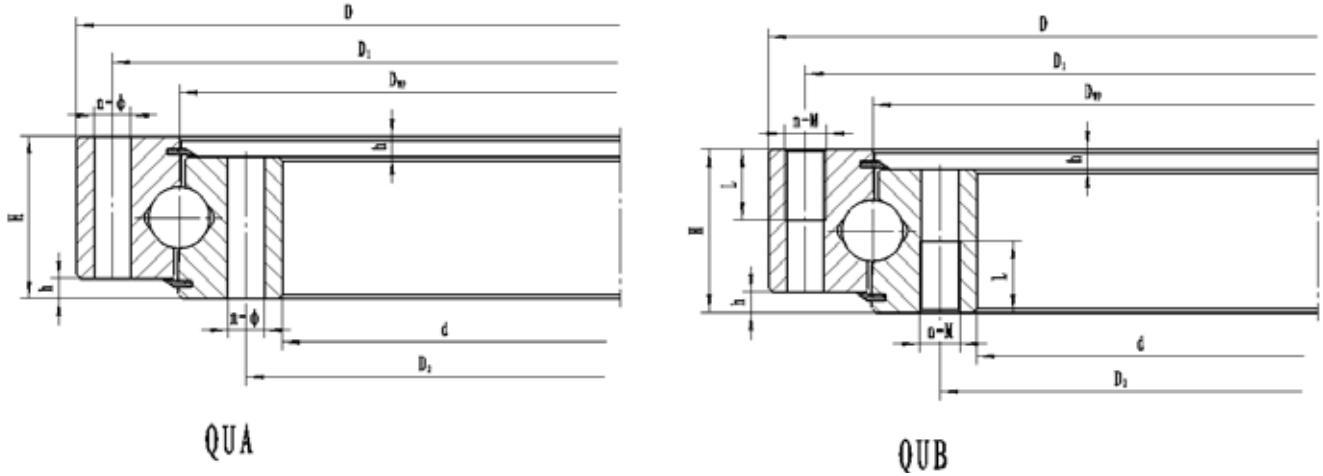


QND

内齿参数				重量
Inner Gear Parameter				Weight
m	b	x=+0.5		kg
		d _a	z	
mm	mm	mm		
14	80	1582	114	576
16	80	1568	99	591
12	100	1368	115	714
14	100	1358	98	723
14	100	1568	113	794
16	100	1552	98	818
16	100	1760	111	891
18	100	1746	98	913
16	100	1984	125	1044
18	100	1980	111	1041
18	100	2250	126	1132
20	100	2240	113	1148
18	122	2214	124	1621
20	122	2200	111	1654

3 表格 / Tables

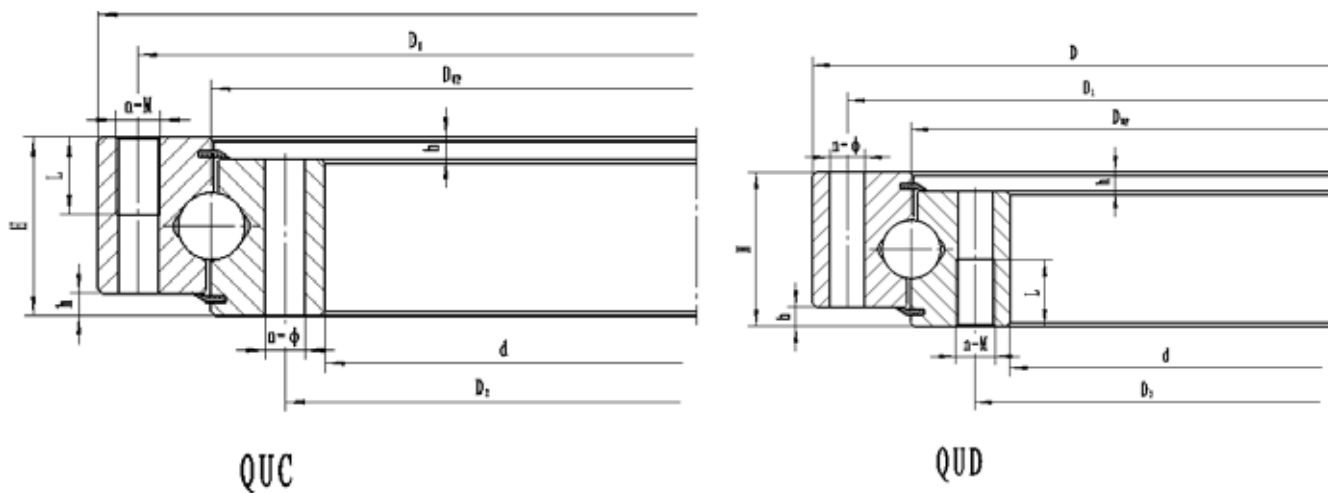
3.4 单排四点球式回转支承 (QU系列) / Single Row Four Point Ball Slewing Bearings - QU Series



型号	外形尺寸			
Type	Overall Dimension			
QU				
D_{WP}				
无齿	D	d	H	h
gear less	mm	mm	mm	mm
315.20				
315.20A	406	222	60	10
355.20				
355.20A	446	262	60	10
400.20				
400.20A	490	307	60	10
450.20				
450.20A	540	357	60	10
500.20				
500.20A	590	404	60	10
560.20				
560.20A	654	464	70	10
630.20				
630.20A	724	534	70	10
710.20				
710.20A	804	614	70	10
800.20				
800.20A	894	704	70	10
800.25				
800.25A	904	692	78	10
900.25				
900.25A	1004	792	78	10

3 表格 / Tables

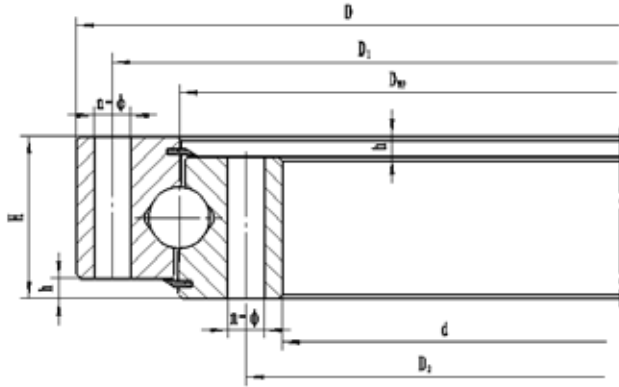
3.4 单排四点球式回转支承 (QU系列) / Single Row Four Point Ball Slewing Bearings - QU Series



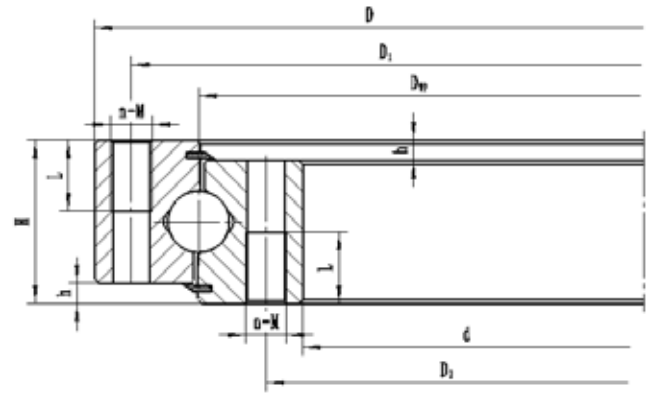
安装孔尺寸							重量
Mounting Hole Dimension							Weight
				通孔	螺纹孔		
				Through Hole	Threaded Hole		
				类型 / Type A	类型 / Type B, C, D		
	D ₁	D ₂	n	Φ	M	L	
	mm	mm		mm			kg
	370	260	10	17	M16	24	35
							36
	410	300	10	17	M16	24	40
							41
	455	345	12	17	M16	24	45
							47
	505	395	12	17	M16	24	51
							53
	555	445	14	17	M16	24	56
							58
	618	502	14	17	M16	30	78
							79
	688	575	16	17	M16	30	86
							88
	768	652	18	17	M16	30	99
							101
	858	742	20	17	M16	30	114
							114
	864	736	18	22	M20	36	143
							147
	964	836	20	22	M20	36	162
							168

3 表格 / Tables

3.4 单排四点球式回转支承 (QU系列) / Single Row Four Point Ball Slewing Bearings - QU Series



QUA

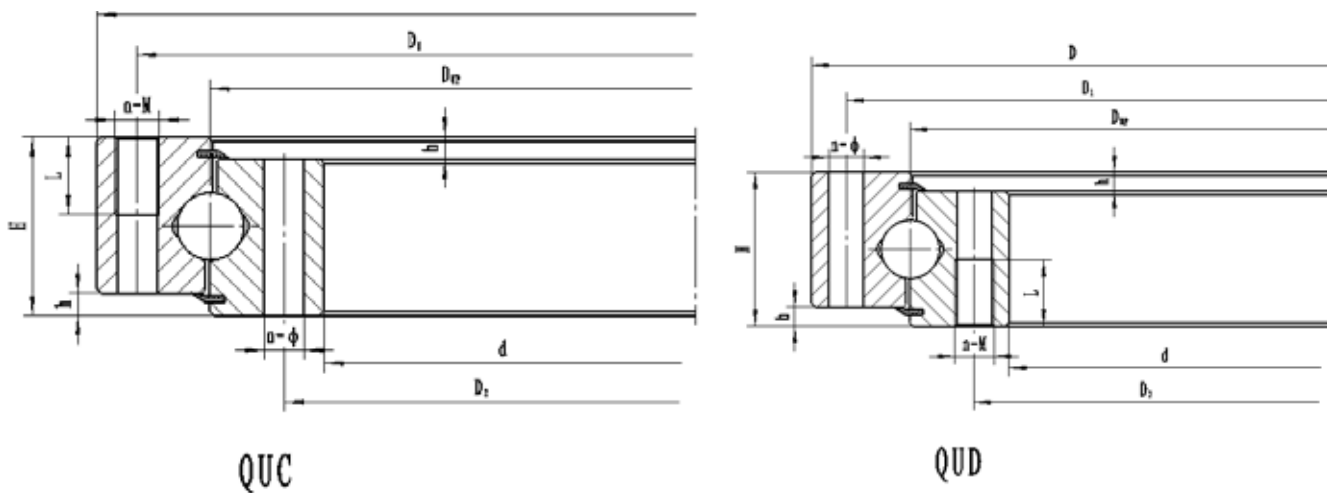


QUB

型号	外形尺寸			
Type	Overall Dimension			
QU				
D_{WP}				
无齿	D	d	H	h
gear less	mm	mm	mm	mm
1000.25	1104	892	78	10
1000.25A				
1000.32	1120	876	90	10
1000.32A				
1120.32	1240	996	90	10
1120.32A				
1250.32	1370	1126	90	10
1250.32A				
1400.32	1520	1276	90	10
1400.32A				
1250.40	1390	1108	102	12
1250.40A				
1400.40	1540	1258	102	12
1400.40A				
1400.32	1520	1276	90	10
1400.32A				
1250.40	1390	1108	102	12
1250.40A				
1400.40	1540	1258	102	12
1400.40A				
1600.40	1740	1458	102	12
1600.40A				

3 表格 / Tables

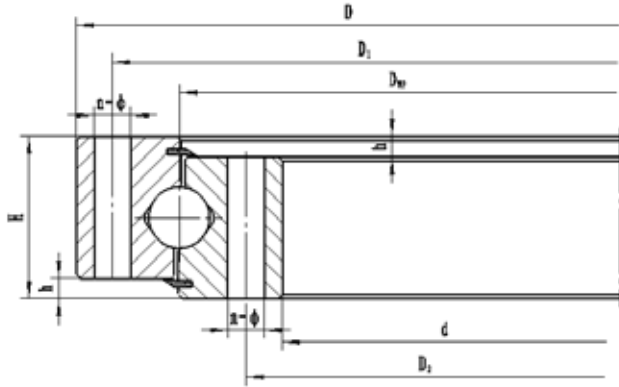
3.4 单排四点球式回转支承 (QU系列) / Single Row Four Point Ball Slewing Bearings - QU Series



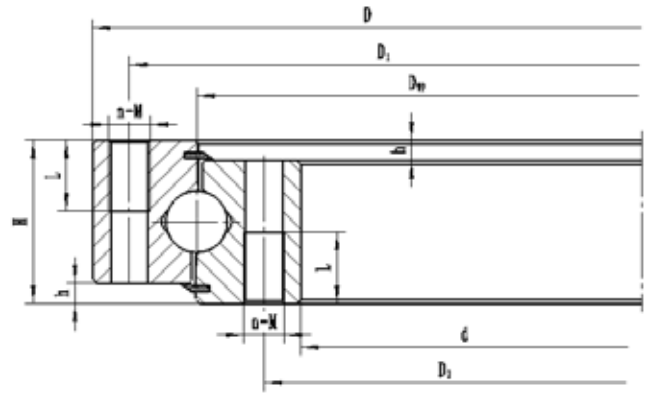
安装孔尺寸							重量
Mounting Hole Dimension							Weight
				通孔	螺纹孔		
				Through Hole	Threaded Hole		
				类型 / Type A	类型 / Type B, C, D		
	D ₁	D ₂	n	Φ	M	L	
	mm	mm		mm			kg
	1064	936	24	22	M20	36	182
							185
	1074	926	24	24	M22	40	227
							232
	1194	1046	28	24	M22	40	272
							275
	1324	1176	32	24	M22	40	302
							309
	1474	1326	36	24	M22	40	337
							347
	1336	1164	32	26	M24	45	396
							392
	1486	1614	36	26	M24	45	448
							443
	1474	1326	36	24	M22	40	337
							347
	1336	1164	32	26	M24	45	396
							392
	1486	1614	36	26	M24	45	448
							443
	1686	1514	40	26	M24	45	528
							534

3 表格 / Tables

3.4 单排四点球式回转支承 (QU系列) / Single Row Four Point Ball Slewing Bearings - QU Series



QUA

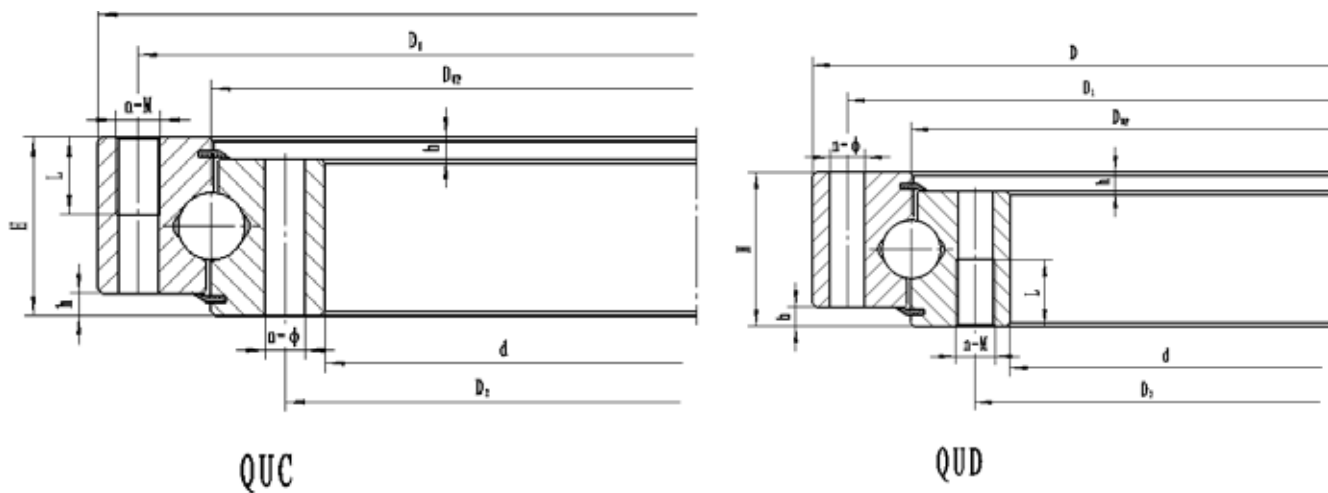


QUB

型号	外形尺寸			
Type	Overall Dimension			
QU				
D_{WP}				
无齿	D	d	H	h
gear less	mm	mm	mm	mm
1800.40	1940	1658	102	12
1800.40A				
1600.50	1762	1434	124	12
1600.50A				
1800.50	1964	1634	124	12
1800.50A				
2000.50	2162	1834	124	12
2000.50A				
2240.50	2402	2074	124	12
2240.50A				
2500.50	2662	2334	124	12
2500.50A				
2500.60	2696	2304	150	12
2500.60A				

3 表格 / Tables

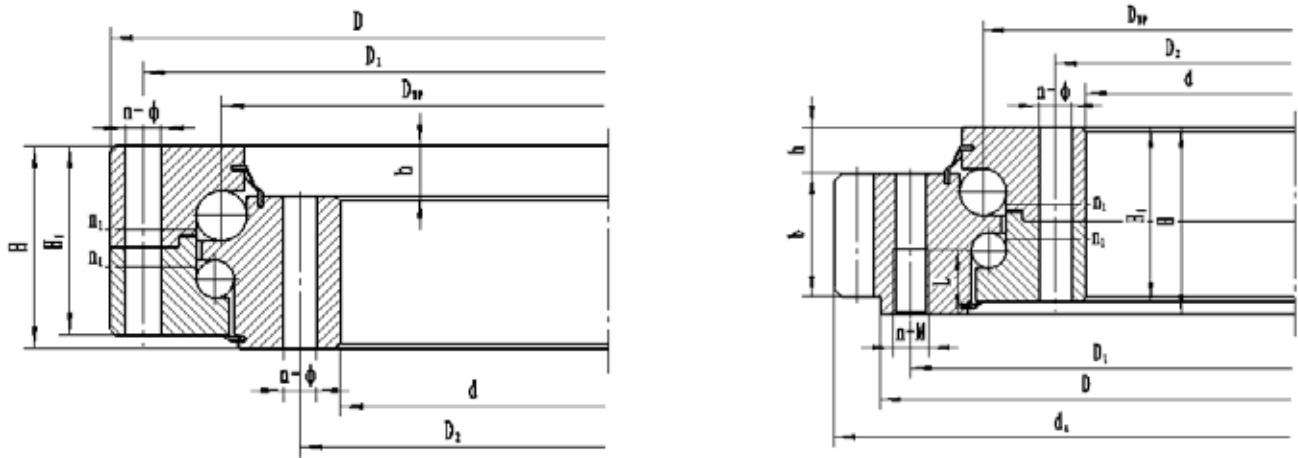
3.4 单排四点球式回转支承 (QU系列) / Single Row Four Point Ball Slewing Bearings - QU Series



安装孔尺寸							重量
Mounting Hole Dimension							Weight
				通孔	螺纹孔		
				Through Hole	Threaded Hole		
				类型 / Type A	类型 / Type B, C, D		
	D ₁	D ₂	n	Φ	M	L	
	mm	mm		mm			kg
	1886	1714	44	26	M24	45	583
							607
	1704	1496	40	30	M27	50	714
							727
	1094	1696	44	30	M27	50	845
							843
	2104	1896	48	30	M27	50	912
							927
	2344	2136	54	30	M27	50	1020
							1078
	2604	2396	60	30	M27	50	1171
							1175
	2626	2374	60	33	M30	56	1677
							1701

3 表格 / Tables

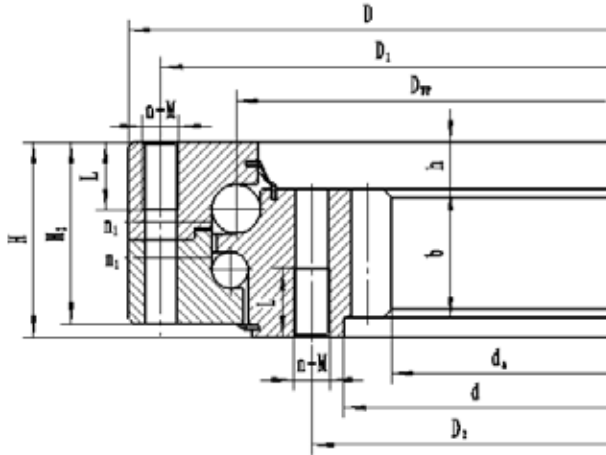
3.5 双排球式回转支承 (02系列) / Double Row Ball Slewing Bearings - 02 Series



基本型号			外形尺寸			安装孔尺寸					
Basic Type			Overall Dimension			Mounting Hole Dimension					
D_{WP}											
无齿	外齿	内齿	D	d	H	D_1	D_2	n	Φ	M	L
Gearless	Outer Gear	Inner Gear	mm	mm	mm	mm	mm	mm	mm	mm	mm
020.25.500	021.25.500	023.25.500	616	384	106	580	420	20	18	M16	32
	022.25.500	024.25.500									
020.25.560	021.25.560	023.35.560	676	444	106	640	480	20	18	M16	32
	022.25.560	024.25.560									
020.25.630	021.25.630	023.25.630	746	514	106	710	550	24	18	M16	32
	022.25.630	024.25.630									
020.25.710	021.25.710	023.25.710	826	594	106	790	630	24	18	M16	32
	022.25.710	024.25.710									
020.30.800	021.30.800	023.30.800	942	658	124	898	702	30	22	M20	40
	022.30.800	024.30.800									
020.30.900	021.30.900	023.30.900	1042	758	124	998	802	30	22	M20	40
	022.30.900	024.30.900									
020.30.1000	021.30.1000	023.30.1000	1142	858	124	1098	902	36	22	M20	40
	022.30.1000	024.30.1000									
020.30.1120	021.30.1120	023.30.1120	1262	978	124	1218	1022	36	22	M20	40
	022.30.1120	024.30.1120									
020.40.1250	021.40.1250	023.40.1250	1426	1074	160	1374	1126	40	26	M24	48
	022.40.1250	024.40.1250									
020.40.1400	021.40.1400	023.40.1400	1576	1224	160	1524	1272	40	26	M24	48
	022.40.1400	024.40.1400									
020.40.1600	021.40.1600	023.40.1600	1776	1424	160	1724	1476	45	26	M24	48
	022.40.1600	024.40.1600									

3 表格 / Tables

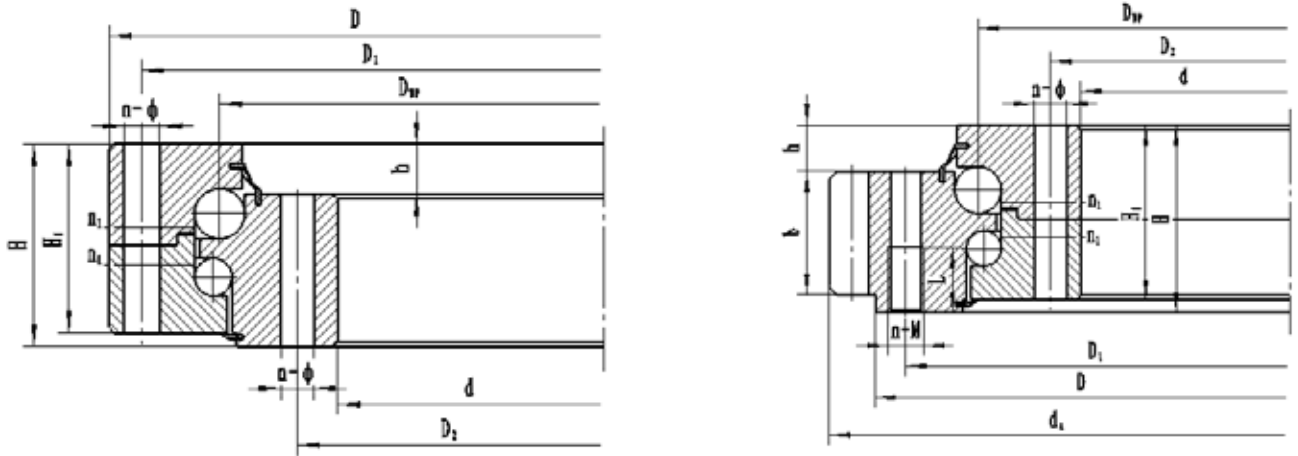
3.5 双排球式回转支承 (02系列) / Double Row Ball Slewing Bearings - 02 Series



结构尺寸			齿轮参数			外齿参数		内齿参数		齿轮圆周力		重量
Structure Dimension			Gear Parameter			Outer Gear Parameter		Inner Gear Parameter		Circumferential Force on Gear		Weight
n ₁	H ₁	h	b	x	m	d _a	z	d _a	z	正火	调质	
mm	mm	mm	mm		mm	mm		mm		10 ⁴ N	10 ⁴ N	kg
4	96	26	60	+0.5	5	644	126	357	72	3.7	5.2	100
					6	646.8	105	350.4	59	4.5	6.2	
4	96	26	60	+0.5	5	704	138	417	84	3.7	5.2	115
					6	706.8	115	410.4	69	4.5	6.2	
4	96	26	60	+0.5	6	790.8	129	482.4	81	4.5	6.2	130
					8	790.4	96	475.2	60	6	8.3	
4	96	26	60	+0.5	6	862.8	141	560.4	94	4.5	6.2	140
					8	862.4	105	555.2	70	6	8.3	
6	114	29	80	+0.5	8	982.4	120	619.2	78	8	11.1	200
					10	988	96	614	62	10	14.1	
6	114	29	80	+0.5	8	1086.4	133	715.2	90	8	11.1	250
					10	1088	106	714	72	10	14	
6	114	29	80	+0.5	10	1198	117	814	82	10	14	300
					12	1197.6	97	796.8	67	12	16.7	
6	114	29	80	+0.5	10	1318	129	924	93	10	14	340
					12	1317.6	107	916.8	77	12	16.7	
5	150	39	90	+0.5	12	1497.6	122	1012.8	85	13.5	18.8	580
					14	1495.2	104	1013.6	73	15.8	21.9	
5	150	39	90	+0.5	12	1641.6	134	1156.8	97	13.5	18.8	650
					14	1649.2	115	1153.6	83	15.8	21.9	
5	150	39	90	+0.5	14	1845.2	129	1349.6	97	15.8	21.9	750
					16	1852.8	113	1350.4	85	18.1	25	

3 表格 / Tables

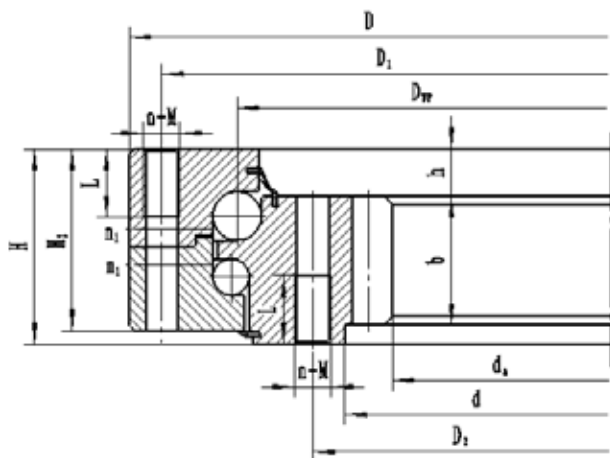
3.5 双排球式回转支承 (02系列) / Double Row Ball Slewing Bearings - 02 Series



基本型号			外形尺寸			安装孔尺寸					
Basic Type			Overall Dimension			Mounting Hole Dimension					
D _{WP}			D	d	H	D ₁	D ₂	n	Φ	M	L
无齿	外齿	内齿									
Gearless	Outer Gear	Inner Gear	mm	mm	mm	mm	mm	mm	mm	mm	mm
020.40.1800	021.40.1800	023.40.1800	1976	1624	160	1924	1676	45	26	M24	48
	022.40.1800	024.40.1800									
020.50.2000	021.50.2000	023.50.2000	2215	1785	190	2149	1851	48	33	M30	60
	022.50.2000	024.50.2000									
020.50.2240	021.50.2240	023.50.2240	2455	2025	190	2389	2091	48	33	M30	60
	022.50.2240	024.50.2240									
020.50.2500	021.50.2500	023.50.2500	2715	2285	190	2649	2351	56	33	M30	60
	022.50.2500	024.50.2500									
020.50.2800	021.50.2800	023.50.2800	3015	2585	190	2949	2651	56	33	M30	60
	022.50.2800	024.50.2800									
020.60.3150	021.60.3150	023.60.3150	3428	2872	226	3338	2962	56	45	M42	84
	022.60.3150	024.60.3150									
020.60.3550	021.60.3550	023.60.3550	3828	3272	226	3738	3362	56	45	M42	84
	022.60.3550	024.60.3550									
020.60.4000	021.60.4000	023.60.4000	4278	3722	226	4188	3812	60	45	M42	84
	022.60.4000	024.60.4000									
020.60.4500	021.60.4500	023.60.4500	4778	4222	226	4688	4312	60	45	M42	84
	022.60.4500	024.60.4500									

3 表格 / Tables

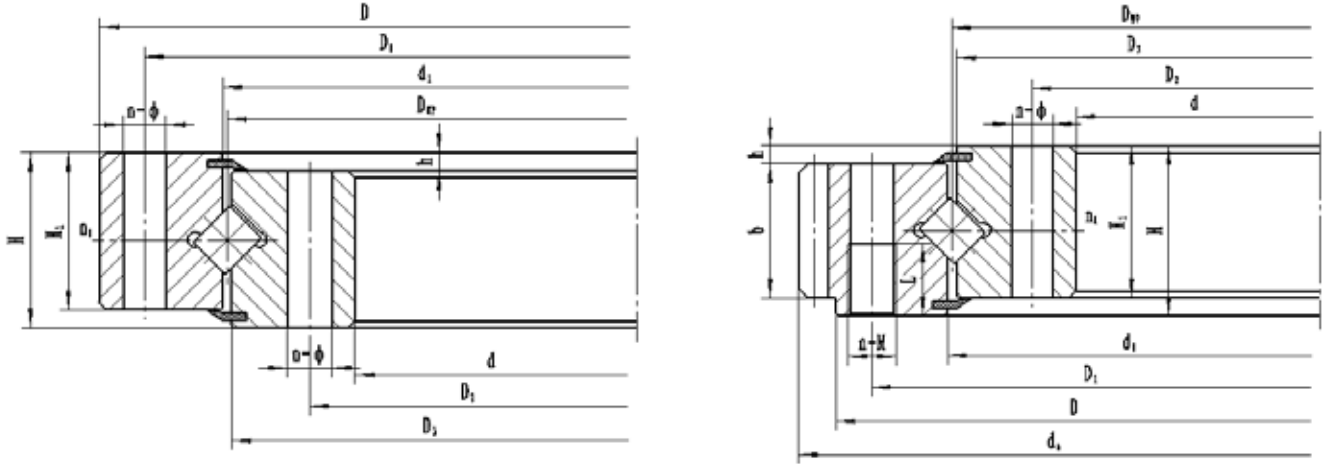
3.5 双排球式回转支承 (02系列) / Double Row Ball Slewing Bearings - 02 Series



	结构尺寸			齿轮参数			外齿参数		内齿参数		齿轮圆周力		重量
	Structure Dimension			Gear Parameter			Outer Gear Parameter		Inner Gear Parameter		Circumferential Force on Gear		Weight
	n ₁	H ₁	h	b	x	m	d _a	z	d _a	z	正火	调质	
	mm	mm	mm	mm		mm	mm		mm		10 ⁴ N	10 ⁴ N	kg
5	150	39	90	+0.5	14	2055.2	144	1545.6	111	15.8	21.9	820	
					16	2060.8	126	1542.4	97	18.1	25		
8	178	47	120	+0.5	16	2300.8	141	1702.4	107	24.1	33.3	1150	
					18	2300.4	125	1699.2	95	27.1	37.5		
8	178	47	120	+0.5	16	2540.8	156	1942.4	122	24.1	33.3	1500	
					18	2552.4	139	1933.2	108	27.1	37.5		
8	178	47	120	+0.5	18	2804.4	153	2203.2	123	27.1	37.5	1700	
					20	2816	138	2188	110	30.1	41.8		
8	178	47	120	+0.5	18	3110.4	170	2491.2	139	27.1	37.5	1900	
					20	3116	153	2488	125	30.1	41.8		
8	214	56	150	+0.5	20	3536	174	2768	139	37.7	52.2	3300	
					22	3537.6	158	2758.8	126	41.5	57.4		
8	214	56	150	+0.5	20	3936	194	3168	159	37.7	52.2	3700	
					22	3933.6	176	3176.8	145	41.5	57.4		
10	214	56	150	+0.5	22	4395.6	197	3616.8	165	41.5	57.4	4200	
					25	4395	173	3610	145	47.1	65.2		
10	214	56	150	+0.5	22	4879.6	219	4122.8	188	41.5	57.4	4700	
					25	4895	193	4110	165	47.1	65.2		

3 表格 / Tables

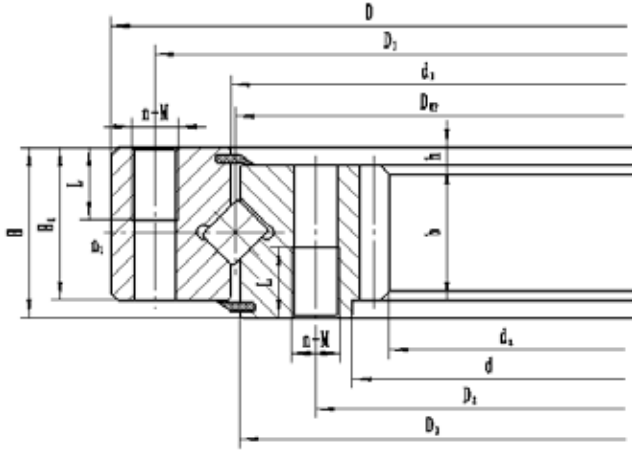
3.6 单排交叉滚子回转支承 (11系列) / Single Row Cylindrical Cross Roller Slewing Bearings - 11 Series



基本型号			外形尺寸			安装孔尺寸					
Basic Type			Overall Dimension			Mounting Hole Dimension					
D _{WP}											
无齿	外齿	内齿	D	d	H	D ₁	D ₂	n	Φ	M	L
Gearless	Outer Gear	Inner Gear	mm	mm	mm	mm	mm	mm	mm	mm	mm
110.25.500	111.25.500	113.25.500	602	398	75	566	434	20	18	M16	32
	112.25.500	114.25.500									
110.25.560	111.25.560	113.25.560	662	458	75	626	494	20	18	M16	32
	112.25.560	114.25.560									
110.25.630	111.25.630	113.25.630	732	528	75	696	564	24	18	M16	32
	112.25.630	114.25.630									
110.25.710	111.25.710	113.25.710	812	608	75	776	644	24	18	M16	32
	112.25.710	114.25.710									
110.28.800	111.28.800	113.28.800	922	678	82	878	722	30	22	M20	40
	112.28.800	114.28.800									
110.28.900	111.28.900	113.28.900	1022	778	82	978	822	30	22	M20	40
	112.28.900	114.28.900									
110.28.1000	111.28.1000	113.28.1000	1122	878	82	1078	922	36	22	M20	40
	112.28.1000	114.28.1000									
110.28.1120	111.28.1120	113.28.1120	1242	998	82	1198	1042	36	22	M20	40
	112.28.1120	114.28.1120									
110.32.1250	111.32.1250	113.32.1250	1390	1110	91	1337	1163	40	26	M24	48
	112.32.1250	114.32.1250									
110.32.1400	111.32.1400	113.32.1400	1540	1260	91	1487	1313	40	26	M24	48
	112.32.1400	114.32.1400									
110.32.1600	111.32.1600	113.32.1600	1740	1460	91	1687	1513	45	26	M24	48
	112.32.1600	114.32.1600									

3 表格 / Tables

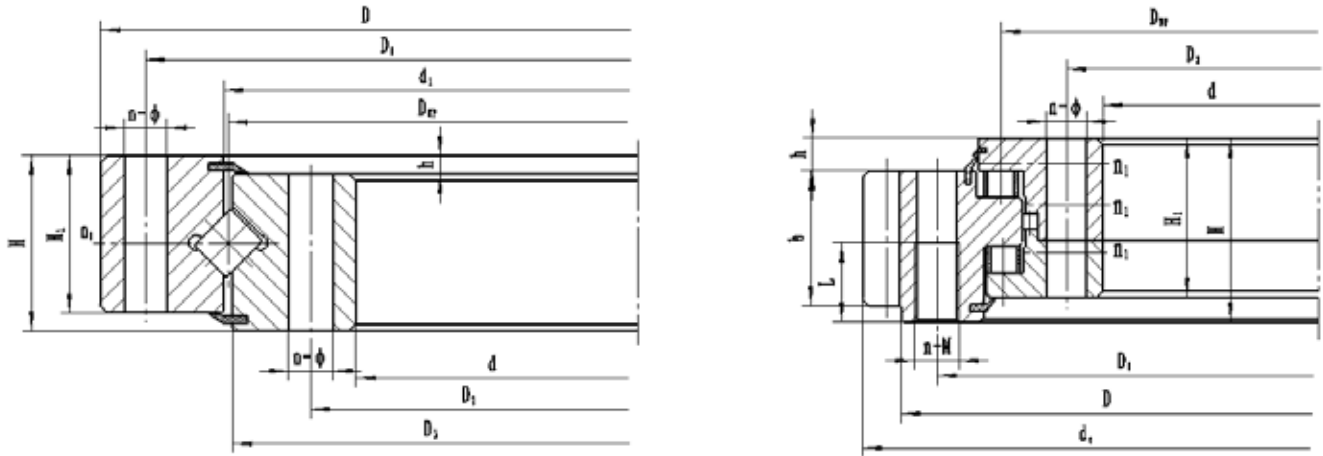
3.6 单排交叉滚子回转支承 (02系列) / Single Row Cylindrical Cross Roller Slewing Bearings - 11 Series



	结构尺寸					齿轮参数			外齿参数		内齿参数		齿轮圆周力		重量
	Structure Dimension					Gear Parameter			Outer Gear Parameter		Inner Gear Parameter		Circumferential Force on Gear		Weight
	n_1	D_3	d_1	H_1	h	b	x	m	d_a	z	d_a	z	正火	调质	
	mm	mm	mm	mm	mm	mm		mm	mm		mm	z	10 ⁴ N	10 ⁴ N	kg
4	498	502	65	10	60	+0.5	5	629	123	367	74	3.7	5.2	80	
								6	628.8	102	368.4	62	4.5		6.2
4	558	562	65	10	60	+0.5	5	689	135	427	86	3.7	5.2	90	
							6	688.8	112	428.4	72	4.5	6.2		
4	628	632	65	10	60	+0.5	6	772.8	126	494.4	83	4.5	6.2	100	
							8	774.4	94	491.2	62	6	8.3		
4	708	712	65	10	60	+0.5	6	850.8	139	572.4	96	4.5	6.2	110	
							8	854.4	104	571.2	72	6	8.3		
6	798	802	72	10	65	+0.5	8	966.4	118	635.2	80	6.5	9.1	170	
							10	968	94	634	64	8.1	11.4		
6	898	902	72	10	65	+0.5	8	1062.4	130	739.2	93	6.5	9.1	190	
							10	1068	104	734	74	8.1	11.4		
6	998	1002	72	10	65	+0.5	10	1188	116	824	83	8.1	11.4	210	
							12	1185.6	96	820.8	69	9.7	13.6		
6	1118	1122	72	10	65	+0.5	10	1298	127	944	95	8.1	11.4	230	
							12	1305.6	106	940.8	79	9.7	13.6		
5	1248	1252	81	10	75	+0.5	12	1449.6	118	1048.8	88	11.3	15.7	350	
							14	1453.2	101	1041.6	75	13.2	18.2		
5	1398	1402	81	10	75	+0.5	12	1605.6	131	1192.8	100	11.3	15.7	400	
							14	1607.2	112	1195.6	86	13.2	18.2		
5	1598	1602	81	10	75	+0.5	14	1817.2	127	1391.6	100	13.2	18.2	440	
							16	1820.8	111	1382.4	87	15.1	22.4		

3 表格 / Tables

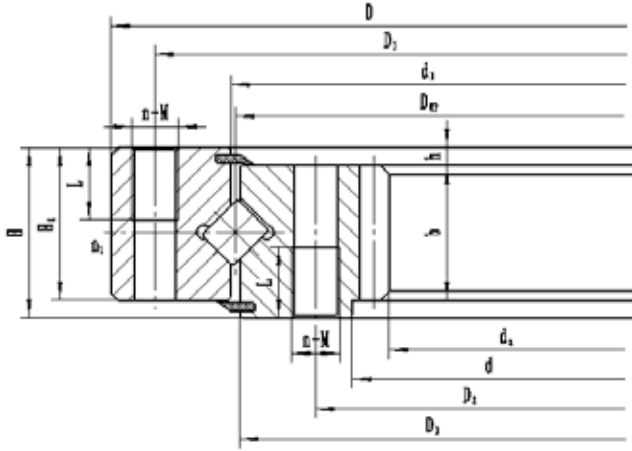
3.6 单排交叉滚子回转支承 (11系列) / Single Row Cylindrical Cross Roller Slewing Bearings - 11 Series



基本型号			外形尺寸			安装孔尺寸					
Basic Type			Overall Dimension			Mounting Hole Dimension					
D_{WP}											
无齿	外齿	内齿	D	d	H	D_1	D_2	n	Φ	M	L
Gearless	Outer Gear	Inner Gear	mm	mm	mm	mm	mm	mm	mm	mm	mm
110.32.1800	111.32.1800	113.32.1800	1940	1660	91	1887	1713	45	26	M24	48
	112.32.1800	114.32.1800									
110.40.2000	111.40.2000	113.40.2000	2178	1825	112	2110	1891	48	33	M30	60
	112.40.2000	114.40.2000									
110.40.2240	111.40.2240	113.40.2240	2418	2065	112	2350	2131	48	33	M30	60
	112.40.2240	114.40.2240									
110.40.2500	111.40.2500	113.40.2500	2678	2325	112	2610	2391	56	33	M30	60
	112.40.2500	114.40.2500									
110.40.2800	111.40.2800	113.40.2800	2978	2625	112	2910	2691	56	33	M30	60
	112.40.2800	114.40.2800									
110.50.3150	111.50.3150	113.50.3150	3376	2922	134	3286	3014	56	45	M42	84
	112.50.3150	114.50.3150									
110.50.3550	111.50.3550	113.50.3550	3776	3322	134	3686	3414	56	45	M42	84
	112.50.3500	114.50.3550									
110.50.4000	111.50.4000	113.50.4000	4226	3772	134	4136	3864	60	45	M42	84
	112.50.4000	114.50.4000									
110.50.4500	111.50.4500	113.50.4500	4726	4272	134	4636	4364	60	45	M42	84
	112.50.4500	114.50.4500									

3 表格 / Tables

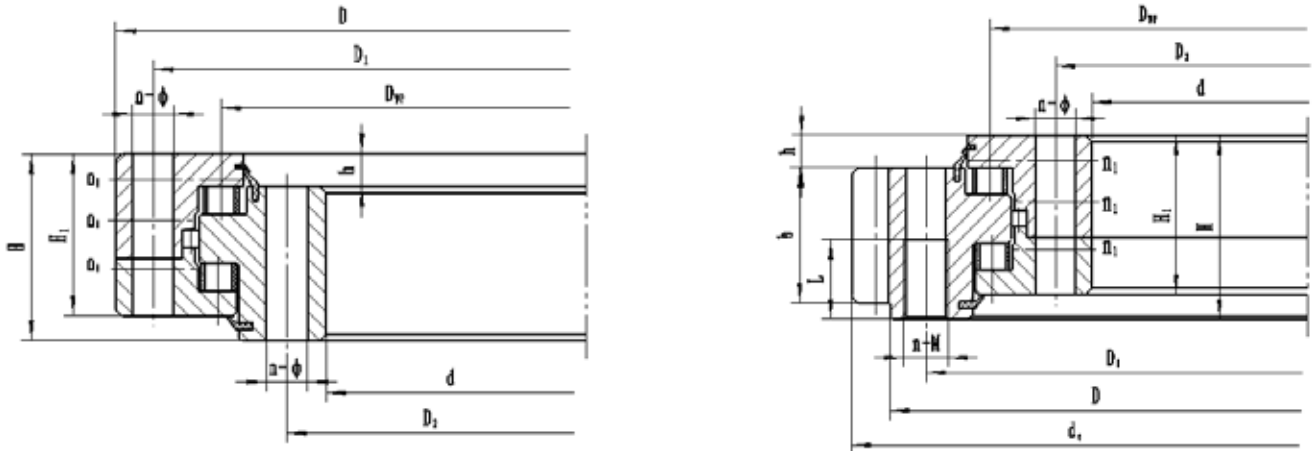
3.6 单排交叉滚子回转支承 (11系列) / Single Row Cylindrical Cross Roller Slewing Bearings - 11 Series



	结构尺寸					齿轮参数			外齿参数		内齿参数		齿轮圆周力		重量
	Structure Dimension					Gear Parameter			Outer Gear Parameter		Inner Gear Parameter		Circumferential Force on Gear		Weight
	n_1	D_3	d_1	H_1	h	b	x	m	d_a	z	d_a	z	正火	调质	
	mm	mm	mm	mm	mm	mm		mm	mm		mm	z	10 ⁴ N	10 ⁴ N	kg
5	1798	1802	81	10	75	+0.5	14	2013.2	141	1573.6	113	13.2	18.2	500	
								16	2012.8	123	1574.4	99	15.1		22.4
8	1997	2003	100	10	90	+0.5	16	2268.8	139	1734.4	109	18.1	25	900	
							18	2264.4	123	1735.2	97	20.3	28.1		
8	2237	2243	100	12	90	+0.5	16	2492.8	153	1990.4	125	18.1	25	1000	
							18	2498.4	136	1987.2	111	20.3	28.1		
8	2497	2503	100	12	90	+0.5	18	2768.4	151	2239.2	125	20.3	28.1	1100	
							20	2776	136	2228	112	22.6	31.3		
8	2797	2803	100	12	90	+0.5	18	3074.4	168	2527.2	141	20.3	28.1	1250	
							20	3076	151	2528	127	22.6	31.3		
8	3147	3153	122	12	110	+0.5	20	3476	171	2828	142	27.6	38.3	2150	
							22	3471.6	155	2824.8	129	30.4	42.1		
8	3547	3553	122	12	110	+0.5	20	3876	191	3228	162	27.6	38.3	2470	
							22	3889.6	174	3220.8	147	30.4	42.1		
10	3997	4003	122	12	110	+0.5	22	4329.6	194	3660.8	167	30.4	42.1	2800	
							25	4345	171	3660	147	34.5	47.8		
10	4497	4503	122	12	110	+0.5	22	4835.6	217	4166.8	190	30.4	42.1	3100	
							25	4845	191	4160	167	34.5	47.8		

3 表格 / Tables

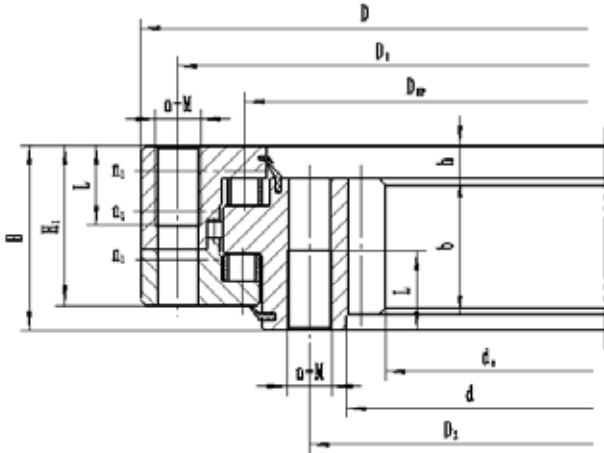
3.7 三排滚子回转支承 (13系列) / Triple Row Cylindrical Roller Slewing Bearings - 13 Series



基本型号			外形尺寸			安装孔尺寸					
Basic Type			Overall Dimension			Mounting Hole Dimension					
D _{WP}											
无齿	外齿	内齿	D	d	H	D ₁	D ₂	n	Φ	M	L
Gearless	Outer Gear	Inner Gear	mm	mm	mm	mm	mm	mm	mm	mm	mm
130.25.500	131.25.500	133.25.500	634	366	148	598	402	24	18	M16	32
	132.25.500	134.25.500									
130.25.560	131.25.560	133.25.560	694	426	148	658	462	24	18	M16	32
	132.25.560	134.25.560									
130.25.630	131.25.630	133.25.630	764	496	148	728	532	28	18	M16	32
	132.25.630	134.25.630									
130.25.710	131.25.710	133.25.710	844	576	148	808	612	28	18	M16	32
	132.25.710	134.25.710									
130.32.800	131.32.800	133.32.800	964	636	182	920	680	36	22	M20	40
	132.32.800	134.32.800									
130.32.900	131.32.900	133.32.900	1064	736	182	1020	780	36	22	M20	40
	132.32.900	134.32.900									
130.32.1000	131.32.1000	133.32.1000	1164	836	182	1120	880	40	22	M20	40
	132.32.1000	134.32.1000									
130.32.1120	131.32.1120	133.32.1120	1284	956	182	1240	1000	40	22	M20	40
	132.32.1120	134.32.1120									
130.40.1250	131.40.1250	133.40.1250	1445	1055	220	1393	1107	45	26	M24	48
	132.40.1250	134.40.1250									
130.40.1400	131.40.1400	133.40.1400	1595	1205	220	1543	1257	45	26	M24	48
	132.40.1400	134.40.1400									
130.40.1600	131.40.1600	133.40.1600	1795	1405	220	1743	1457	48	26	M24	48
	132.40.1600	134.40.1600									

3 表格 / Tables

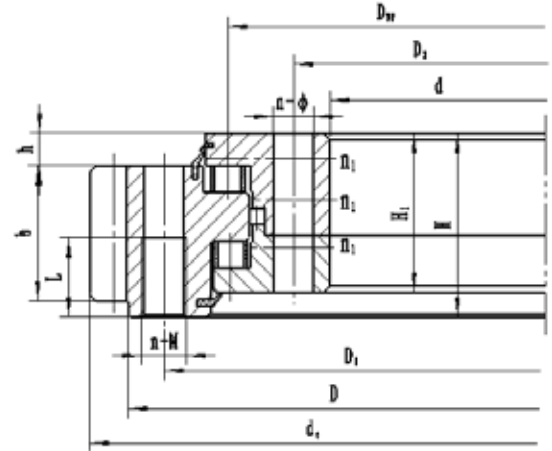
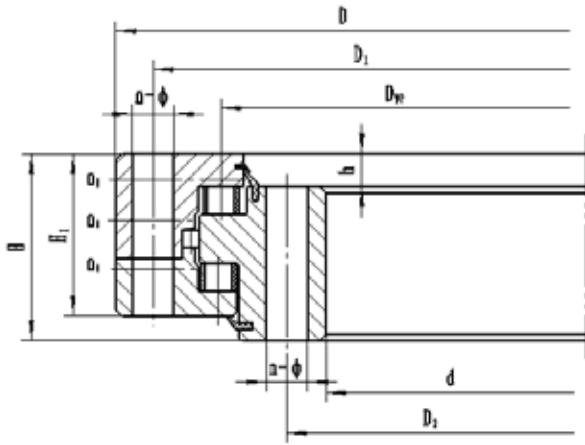
3.7 三排滚子回转支承 (13系列) / Triple Row Cylindrical Roller Slewing Bearings - 13 Series



	结构尺寸			齿轮参数			外齿参数		内齿参数		齿轮圆周力		重量
	Structure Dimension			Gear Parameter			Outer Gear Parameter		Inner Gear Parameter		Circumferential Force on Gear		Weight
	n ₁	H ₁	h	b	x	m	d _a	z	d _a	z	正火	调质	
	mm	mm	mm	mm		mm	mm		mm		10 ⁴ N	10 ⁴ N	kg
4	138	32	80	+0.5	5	664	130	337	68	5	6.7	224	
						6	664.8	108	338.4	57	6		8
4	138	32	80	+0.5	6	724	142	397	90	5	6.7	240	
						6	724.8	118	398.4	67	6		8
4	138	32	80	+0.5	6	808.8	132	458.4	77	6	8	270	
						8	806.4	98	459.2	58	8		11
4	138	32	80	+0.5	6	886.8	145	536.4	90	6	8	300	
						8	886.4	108	539.2	68	8		11
4	172	40	120	+0.5	8	1006.4	123	595.2	75	12.1	16.7	500	
						10	1008	98	594	60	15.1		20.9
4	172	40	120	+0.5	8	1102.4	135	691.2	87	12.1	16.7	600	
						10	1108	108	694	70	15.1		20.9
5	172	40	120	+0.5	10	1218	119	784	79	15.1	20.9	680	
						12	1221.6	99	784.8	66	18.1		25.1
5	172	40	120	+0.5	10	1338	131	904	91	15.1	20.9	820	
						12	1341.6	109	904.8	76	18.1		25.1
5	210	50	150	+0.5	12	1509.6	123	988.8	83	22.9	31.4	1200	
						14	1509.2	105	985.6	71	26.3		36.6
5	210	50	150	+0.5	12	1665.6	136	1144.8	96	22.9	31.4	1300	
						14	1663.2	116	1139.6	82	26.3		36.6
6	210	50	150	+0.5	14	1873.2	131	1335.6	96	26.3	36.6	1520	
						16	1868.8	114	1334.4	84	30.2		41.7

3 表格 / Tables

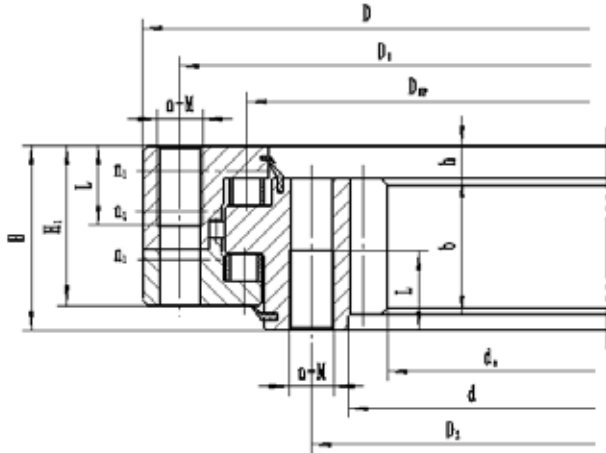
3.7 三排滚子回转支承 (13系列) / Triple Row Cylindrical Roller Slewing Bearings - 13 Series



基本型号			外形尺寸			安装孔尺寸					
Basic Type			Overall Dimension			Mounting Hole Dimension					
D _{WP}											
无齿	外齿	内齿	D	d	H	D ₁	D ₂	n	Φ	M	L
Gearless	Outer Gear	Inner Gear	mm	mm	mm	mm	mm	mm	mm	mm	mm
130.40.1800	131.40.1800	133.40.1800	1995	1605	220	1943	1657	48	26	M24	48
	132.40.1800	134.40.1800									
130.45.2000	131.45.2000	133.45.2000	2221	1779	231	2155	1845	60	33	M30	60
	132.45.2000	134.45.2000									
130.45.2240	131.45.2240	133.45.2240	2461	2019	231	2395	2085	60	33	M30	60
	132.45.2240	134.45.2240									
130.45.2500	131.45.2500	133.45.2500	2721	2279	231	2655	2345	72	33	M30	60
	132.45.2500	134.45.2500									
130.45.2800	131.45.2800	133.45.2800	3021	2579	231	2955	2645	72	33	M30	60
	132.45.2800	134.45.2800									
130.50.3150	131.50.3150	133.50.3150	3432	2868	270	3342	2958	72	45	M42	84
	132.50.3150	134.50.3150									
130.50.3550	131.50.3550	133.50.3550	3832	3268	270	3742	3358	72	45	M42	84
	132.50.3550	134.50.3550									
130.50.4000	131.50.4000	133.50.4000	4282	3718	270	4192	3808	80	45	M42	84
	132.50.4000	134.50.4000									
130.50.4500	131.50.4500	133.50.4500	4782	4218	270	4692	4308	80	45	M42	84
	132.50.4500	134.50.4500									

3 表格 / Tables

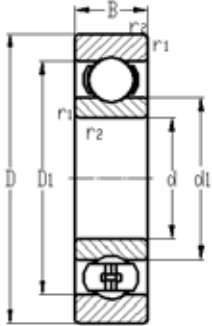
3.7 三排滚子回转支承 (13系列) / Triple Row Cylindrical Roller Slewing Bearings - 13 Series



	结构尺寸			齿轮参数			外齿参数		内齿参数		齿轮圆周力		重量
	Structure Dimension			Gear Parameter			Outer Gear Parameter		Inner Gear Parameter		Circumferential Force on Gear		Weight
	n ₁	H ₁	h	b	x	m	d _a	z	d _a	z	正火	调质	
	mm	mm	mm	mm		mm	mm		mm		10 ⁴ N	10 ⁴ N	kg
6	210	50	150	+0.5	14	2069.2	145	1531.6	110	26.3	36.6	1750	
						16	2076.8	127	1526.4	96	30.2		41.7
6	219	54	160	+0.5	16	2300.8	141	1702.4	107	32.2	44.5	2400	
						18	2300.4	125	1699.2	95	36.2		50.1
6	219	54	160	+0.5	16	2556.8	157	1926.4	121	32.2	44.5	2700	
						18	2552.4	139	1933.2	108	36.2		50.1
8	219	54	160	+0.5	18	2822.4	154	2185.2	122	36.2	50.1	3000	
						20	2816	138	2188	110	40.2		55.6
8	219	54	160	+0.5	18	3110.4	170	2491.2	139	36.2	50.1	3400	
						20	3116	153	2488	125	40.2		55.6
8	258	65	180	+0.5	20	3536	174	2768	139	45.2	62.6	5000	
						22	3537.6	158	2758.8	126	49.8		68.9
8	258	65	180	+0.5	20	3936	194	3168	159	45.2	62.6	5600	
						22	3933.6	176	3154.8	144	49.8		68.9
8	258	65	180	+0.5	22	4395.6	197	3616.8	165	49.8	68.9	6400	
						25	4395	173	3610	145	56.5		78.3
8	258	65	180	+0.5	22	4901.6	220	4122.8	188	49.8	68.9	7100	
						25	4895	193	4110	165	56.5		78.3

3 表格 / Tables

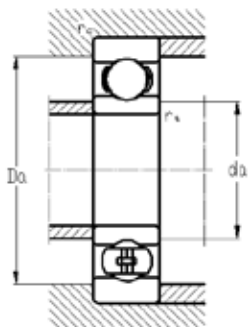
3.8 单列深沟球轴承 / Single Row Deep Groove Ball Bearings



型号	尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code	Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
	d	D	B	动态 / Dynamic	静态 / Static		油 / Oil	
	mm	mm	mm	C	C ₀	Pu	rpm	kg
61801	12	21	5	1.36	0.637	0.0266	41000	0.006
61901		24	6	2.14	0.931	0.0409	38000	0.011
6001		28	8	5.13	2.24	0.0950	36000	0.022
16101		30	8	4.82	2.24	0.095	32000	0.023
6201		32	10	6.92	2.95	0.125	30000	0.037
6301		37	12	9.60	3.94	0.167	26000	0.060
61802	15	24	5	1.48	0.76	0.032	36000	0.007
61902		28	7	4.14	2.13	0.090	32000	0.016
16002		32	8	5.56	2.71	0.114	30000	0.025
6002		32	9	5.56	2.71	0.114	30000	0.030
6202		35	11	7.66	3.56	0.152	26000	0.045
6302		42	13	11.3	5.13	0.217	23000	0.082
61803	17	26	5	1.60	0.884	0.037	32000	0.008
61903		30	7	4.39	2.42	0.103	30000	0.018
16003		35	8	6.05	3.09	0.130	26000	0.032
6003		35	10	6.05	3.09	0.130	26000	0.039
98203		40	9	9.08	4.51	0.190	23000	0.048
6203		40	12	9.45	4.51	0.190	23000	0.065
6203 ETN9		40	12	10.8	5.13	0.217	23000	0.064
6303		47	14	13.6	6.22	0.261	21000	0.120
6403		62	17	21.8	10.3	0.432	17000	0.270
61804	20	32	7	3.83	2.20	0.099	26000	0.018
61904		37	9	6.05	3.47	0.148	24000	0.038
16004		42	8	6.92	3.85	0.164	23000	0.050
98204Y		42	9	7.53	4.28	0.181	23000	0.051
6004		42	12	9.45	4.75	0.201	23000	0.069
6204		47	14	12.8	6.22	0.266	19000	0.110
6204ETN9		47	14	14.8	7.27	0.309	19000	0.096
6304		52	15	16.0	7.41	0.318	18000	0.140
6304ETN9		52	15	17.3	8.55	0.361	18000	0.140

3 表格 / Tables

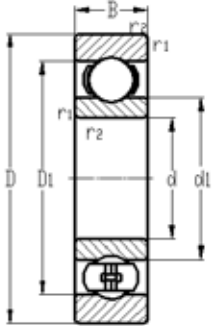
3.8 单列深沟球轴承 / Single Row Deep Groove Ball Bearings



尺寸			挡肩及倒角尺寸				计算系数	
Diameter			Shoulder & Chamfer Size				Calculation Coefficient	
d	≈ d1	≈ D1	最小 / min r1, 2	最小 / min da	最大 / max Da	最大 / max ra	k _r	f ₀
	mm	mm	mm	mm	mm	mm		
12	15	18.2	0.3	14	19	0.3	0.015	9.7
	15.5	20.6	0.3	14	22	0.3	0.02	9.7
	17	23.2	0.3	14	26	0.3	0.025	13
	16.7	23.4	0.3	14.4	27.6	0.3	0.025	13
	18.5	25.7	0.6	16.2	27.8	0.6	0.025	12
	19.5	29.5	1	17.6	31.4	1	0.03	11
15	17.9	21.1	0.3	17	22	0.3	0.015	10
	18.4	24.7	0.3	17	26	0.3	0.02	14
	20.2	27	0.3	17	30	0.3	0.02	14
	20.5	26.7	0.3	17	30	0.3	0.025	14
	21.7	29	0.6	19.2	30.8	0.6	0.025	13
	23.7	33.7	1	20.6	36.4	1	0.03	12
17	20.2	23.2	0.3	19	24	0.3	0.015	10
	20.4	26.7	0.3	19	28	0.3	0.02	15
	22.7	29.5	0.3	19	33	0.3	0.02	14
	23	29.2	0.3	19	33	0.3	0.025	14
	24.5	32.7	0.6	21.2	35.8	0.6	0.025	13
	24.5	32.7	0.6	21.2	35.8	0.6	0.025	13
	23.9	33.5	0.6	21.2	35.8	0.6	0.03	12
	26.5	37.4	1	22.6	41.4	1	0.03	12
20	32.4	46.6	1.1	23.5	55.5	1	0.035	11
	24	28.3	0.3	22	30	0.3	0.015	15
	25.6	31.4	0.3	22	35	0.3	0.02	15
	27.3	34.6	0.3	22	40	0.3	0.02	15
	27.4	36	0.6	23.2	38.8	0.6	0.025	14
	27.2	34.8	0.6	23.2	38.8	0.6	0.025	14
	28.8	38.5	1	25.6	41.4	1	0.025	13
	28.2	39.6	1	25.6	41.4	1	0.025	12
	30.4	41.6	1.1	27	45	1	0.03	12
	30.2	42.6	1.1	27	45	1	0.03	12

3 表格 / Tables

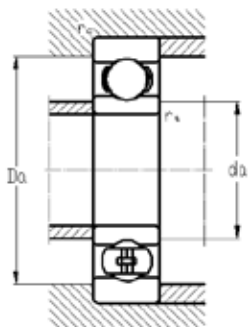
3.8 单列深沟球轴承 / Single Row Deep Groove Ball Bearings



型号	尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code	Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
				动态 / Dynamic	静态 / Static		油 / Oil	
	d	D	B	C	C ₀	Pu		
	mm	mm	mm	kN	kN	kN	rpm	kg
6404	20	72	19	29.2	14.3	0.608	14000	0.400
62/22	22	50	14	13.3	7.27	0.309	18000	0.120
63/22		56	16	17.7	8.84	0.371	17000	0.180
61805	25	37	7	4.14	2.47	0.119	23000	0.022
61905		42	9	6.67	4.09	0.183	21000	0.045
16005		47	8	7.66	4.51	0.201	19000	0.060
6005		47	12	11.3	6.22	0.261	19000	0.080
98205		52	9	10.1	6.22	0.266	17000	0.078
6205		52	15	14.1	7.41	0.318	17000	0.130
6205ETN9		52	15	16.9	9.31	0.380	17000	0.120
6305		62	17	22.2	11.0	0.466	15000	0.230
6305ETN9		62	17	24.7	12.7	0.542	15000	0.210
6405		80	21	34.0	18.3	0.779	12000	0.530
62/28	28	58	16	16.0	9.03	0.385	15000	0.180
63/28		68	18	23.8	13.0	0.556	13000	0.290
61806	30	42	7	4.27	2.76	0.139	19000	0.027
61906		47	9	6.92	4.32	0.201	18000	0.051
16006		55	9	11.3	6.98	0.295	16000	0.085
6006		55	13	13.1	7.89	0.337	16000	0.120
98206		62	10	15.1	9.69	0.418	13000	0.120
6206		62	16	19.3	10.6	0.456	14000	0.200
6206ETN9		62	16	22.2	12.3	0.513	14000	0.190
6306		72	19	28.1	15.2	0.637	12000	0.350
6306ETN9		72	19	30.9	16.4	0.703	13000	0.330
6406		90	23	41.4	22.4	0.950	10000	0.740
61807	35	47	7	4.51	3.04	0.162	17000	0.030
61907		55	10	9.08	6.46	0.276	15000	0.080
16007		62	9	12.4	7.74	0.361	14000	0.110
6007		62	14	16.0	9.69	0.418	14000	0.160
6207		72	17	25.7	14.5	0.627	12000	0.290

3 表格 / Tables

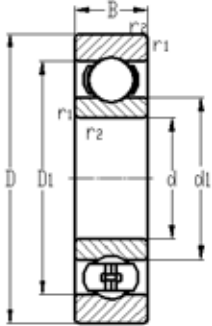
3.8 单列深沟球轴承 / Single Row Deep Groove Ball Bearings



	尺寸			挡肩及倒角尺寸				计算系数	
	Diameter			Shoulder & Chamfer Size				Calculation Coefficient	
		≈	≈	最小 / min	最小 / min	最大 / max	最大 / max		
	d	d1	D1	r1, 2	da	Da	ra	k_r	f_0
	mm	mm	mm	mm	mm	mm	mm		
20	37.1	54.8	1.1	29	63	1	0.035	11	
22	32.2	42.1	1	27.6	44.4	1	0.025	14	
	32.2	46.2	1.1	29	47	1	0.03	12	
25	28.5	33.3	0.3	27	35	0.3	0.015	14	
	30.2	36.8	0.3	27	40	0.3	0.02	15	
	33.3	40.7	0.3	27	45	0.3	0.02	15	
	32	40	0.6	28.2	43.8	0.6	0.025	14	
	34.5	44	0.6	28.2	48.8	0.6	0.025	15	
	34.4	44	1	30.6	46.4	1	0.025	14	
	33.1	44.5	1	30.6	46.4	1	0.025	13	
	36.6	50.4	1.1	32	55	1	0.03	12	
	36.4	51.7	1.1	32	55	1	0.03	12	
	45.4	62.9	1.5	34	71	1.5	0.035	12	
28	37	49.2	1	33.6	52.4	1	0.025	14	
	41.7	56	1.1	35	61	1	0.03	13	
30	33.7	38.5	0.3	32	40	0.3	0.015	14	
	35.2	41.8	0.3	32	45	0.3	0.02	14	
	37.7	47.3	0.3	32	53	0.3	0.02	15	
	38.2	46.8	1	34.6	50.4	1	0.025	15	
	42.9	54.4	0.6	33.2	58.8	0.6	0.025	14	
	40.4	51.6	1	35.6	56.4	1	0.025	14	
	39.5	52.9	1	35.6	56.4	1	0.025	13	
	44.6	59.1	1.1	37	65	1	0.03	13	
	42.5	59.7	1.1	37	65	1	0.03	12	
	50.3	69.7	1.5	41	79	1.5	0.035	12	
35	38.7	43.5	0.3	37	45	0.3	0.015	14	
	41.6	48.4	0.6	38.2	51.8	0.6	0.02	14	
	44.1	53	0.3	37	60	0.3	0.02	14	
	43.8	53.3	1	39.6	57.4	1	0.025	15	
	46.9	60	1.1	42	65	1	0.025	14	

3 表格 / Tables

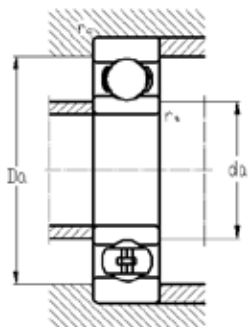
3.8 单列深沟球轴承 / Single Row Deep Groove Ball Bearings



型号	尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code	Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
	d	D	B	动态 / Dynamic	静态 / Static		油 / Oil	
	mm	mm	mm	C	C ₀	Pu	rpm	kg
6207ETN9	35	72	17	29.6	16.7	0.713	12000	0.270
6307		80	21	33.3	18.1	0.779	11000	0.460
6407		100	25	52.5	29.5	1.23	9500	0.950
61808	40	52	7	4.69	3.28	0.181	15000	0.034
61908		62	12	13.1	9.50	0.409	13000	0.120
16008		68	9	13.1	8.69	0.418	13000	0.130
6008		68	15	16.9	11.0	0.466	13000	0.190
6208		80	18	30.9	18.1	0.760	10000	0.370
6208ETN9		80	18	34.0	19.8	0.836	10000	0.340
6308		90	23	40.2	22.8	0.969	10000	0.630
6408		110	27	60.5	34.7	1.45	8500	1.25
61809	45	58	7	6.30	5.80	0.247	13000	0.040
61909		68	12	13.3	10.3	0.447	12000	0.140
16009		75	10	15.7	10.3	0.494	11000	0.170
6009		75	16	21.0	13.9	0.608	11000	0.250
6209		85	19	33.3	20.5	0.874	10000	0.410
6309		100	25	52.5	29.9	1.27	9000	0.830
6409		120	29	72.3	42.8	1.81	8000	1.55
61810	50	65	7	6.42	6.46	0.271	12000	0.052
61910		72	12	13.9	11.2	0.475	11000	0.140
16010		80	10	16.0	10.8	0.532	10000	0.180
6010		80	16	21.8	15.2	0.675	10000	0.260
6210		90	20	35.2	22.0	0.931	9500	0.460
6310		110	27	61.8	36.1	1.520	8100	1.05
6410		130	31	82.7	49.4	2.090	7100	1.90
61811	55	72	9	8.59	8.36	0.361	11000	0.083
61911		80	13	15.7	13.3	0.570	10000	0.190
16011		90	11	19.3	13.3	0.665	9500	0.260
6011		90	18	28.1	20.1	0.855	9500	0.390
6211		100	21	43.9	27.6	1.19	8500	0.610

3 表格 / Tables

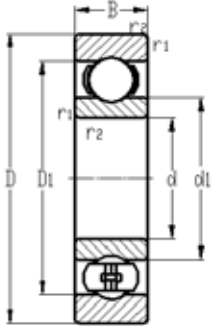
3.8 单列深沟球轴承 / Single Row Deep Groove Ball Bearings



	尺寸			挡肩及倒角尺寸				计算系数	
	Diameter			Shoulder & Chamfer Size				Calculation Coefficient	
		≈	≈	最小 / min	最小 / min	最大 / max	最大 / max		
	d	d1	D1	r1, 2	da	Da	ra	k_r	f_0
	mm	mm	mm	mm	mm	mm	mm		
35	46.1	61.7	1.1	42	65	1	0.025	13	
	49.6	65.4	1.5	44	71	1.5	0.03	13	
	57.4	79.5	1.5	46	89	1.5	0.035	12	
40	43.7	48.5	0.3	42	50	0.3	0.015	14	
	46.9	55.1	0.6	43.2	58.8	0.6	0.02	16	
	49.4	58.6	0.3	42	66	0.3	0.02	14	
	49.3	58.8	1	44.6	63.4	1	0.025	15	
	52.6	67.4	1.1	47	73	1	0.025	14	
	52	68.8	1.1	47	73	1	0.025	13	
45	56.1	73.8	1.5	49	81	1.5	0.03	13	
	62.8	87	2	53	97	2	0.035	12	
	49.1	53.9	0.3	47	56	0.3	0.015	17	
	52.4	60.6	0.6	48.2	64.8	0.6	0.02	16	
	55	65.4	0.6	48.2	71.8	0.6	0.02	14	
	54.8	65.3	1	50.8	69.2	1	0.025	15	
50	57.6	72.4	1.1	52	78	1	0.025	14	
	62.2	82.7	1.5	54	91	1.5	0.03	13	
	68.9	95.8	2	58	107	2	0.035	12	
	55.1	59.9	0.3	52	63	0.3	0.015	17	
	56.9	65.1	0.6	53.2	68.8	0.6	0.02	16	
	60	70	0.6	53.2	76.8	0.6	0.02	14	
55	59.8	70.3	1	54.6	75.4	1	0.025	15	
	62.5	77.4	1.1	57	83	1	0.025	14	
	68.8	91.1	2	59	101	2	0.03	13	
	75.5	104	2.1	64	116	2	0.035	12	
	60.6	66.4	0.3	57	70	0.3	0.015	17	
	63.2	71.8	1	59.6	75.4	1	0.02	16	
60	67	78.1	0.6	58.2	86.8	0.6	0.02	15	
	66.3	78.7	1.1	61	84	1	0.025	15	
	69.1	85.8	1.5	64	91	1.5	0.025	14	

3 表格 / Tables

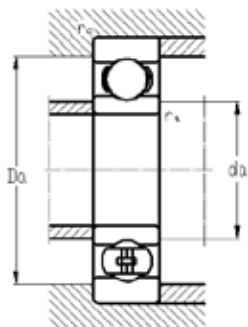
3.8 单列深沟球轴承 / Single Row Deep Groove Ball Bearings



型号	尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code	Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
	d	D	B	动态 / Dynamic	静态 / Static		油 / Oil	
	mm	mm	mm	C	C ₀	Pu	rpm	kg
6311	55	120	29	70.4	42.8	1.81	7600	1.35
6411		140	33	94.5	58.9	2.47	6600	2.30
61812	60	78	10	11.3	10.8	0.466	10000	0.110
61912		85	13	15.7	13.6	0.570	9500	0.200
16012		95	11	19.8	14.3	0.703	9000	0.280
6012		95	18	29.2	22.0	0.931	9000	0.420
6212		110	22	52.5	34.2	1.45	7600	0.780
6312		130	31	80.9	49.4	2.09	6600	1.70
6412		150	35	103	66.0	2.76	6000	2.75
61813	65	85	10	11.8	12.1	0.513	9500	0.130
61913		90	13	16.5	15.2	0.646	9000	0.220
16013		100	11	21.4	15.8	0.789	8500	0.300
6013		100	18	30.3	23.8	1.01	8500	0.440
6213		120	23	55.6	38.5	1.64	7100	0.990
6313		140	33	92.6	57.0	2.38	6300	2.10
6413		160	37	113	74.1	2.99	5700	3.30
61814	70	90	10	11.8	12.5	0.532	8500	0.140
61914		100	16	22.6	20.1	0.855	8000	0.350
16014		110	13	27.6	23.8	1.01	7600	0.430
6014		110	20	37.7	29.5	1.25	7600	0.600
6214		125	24	60.5	42.8	1.81	6600	1.05
6314		150	35	105	64.6	2.61	6000	2.50
6414		180	42	136	98.8	3.71	5000	4.85
61815	75	95	10	12.1	13.6	0.580	8000	0.150
61915		105	16	23.0	18.3	0.917	7600	0.370
16115		110	12	27.2	25.7	1.08	7600	0.380
16015		115	13	28.7	25.7	1.08	7100	0.460
6015		115	20	39.5	31.8	1.36	7100	0.640
6215		130	25	65.5	46.6	1.94	6300	1.20
6315		160	37	113	72.7	2.85	5300	3.00

3 表格 / Tables

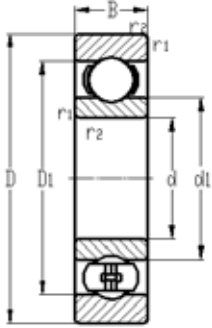
3.8 单列深沟球轴承 / Single Row Deep Groove Ball Bearings



	尺寸			挡肩及倒角尺寸				计算系数	
	Diameter			Shoulder & Chamfer Size				Calculation Coefficient	
		≈	≈	最小 / min	最小 / min	最大 / max	最大 / max		
	d	d1	D1	r1, 2	da	Da	ra	k_r	f_0
	mm	mm	mm	mm	mm	mm	mm		
55	75.3	99.5	2	66	109	2	0.03	13	
	81.6	113	2.1	69	126	2	0.035	12	
60	65.6	72.4	0.3	62	76	0.3	0.015	17	
	68.2	76.8	1	64.6	80.4	1	0.02	16	
	72	83	0.6	63.2	91.8	0.6	0.02	14	
	71.3	83.7	1.1	66	89	1	0.025	16	
	75.5	94.6	1.5	69	101	1.5	0.025	14	
	81.9	108	2.1	72	118	2	0.03	13	
	88.1	122	2.1	74	136	2	0.035	12	
	65	71.6	78.4	0.6	68.2	81.8	0.6	0.015	17
	73.2	81.8	1	69.6	85.4	1	0.02	17	
	76.5	88.4	0.6	68.2	96.8	0.6	0.02	16	
	76.3	88.7	1.1	71	94	1	0.025	16	
	83.3	102	1.5	74	111	1.5	0.025	15	
	88.4	116	2.1	77	128	2	0.03	13	
	94	131	2.1	79	146	2	0.035	12	
70	76.6	83.4	0.6	73.2	86.8	0.6	0.015	17	
	79.7	90.3	1	74.6	95.4	1	0.02	16	
	83.3	96.8	0.6	73.2	106	0.6	0.02	16	
	82.9	97.2	1.1	76	104	1	0.025	16	
	87.1	108	1.5	79	116	1.5	0.025	15	
	95	125	2.1	82	138	2	0.03	13	
	104	146	3	86	164	2.5	0.035	12	
	75	81.6	88.4	0.6	78.2	91.8	0.6	0.015	17
	84.7	95.3	1	79.6	100	1	0.02	14	
	88.3	102	0.6	77	108	0.3	0.02	16	
	88.3	102	0.6	78.2	111	0.6	0.02	16	
	87.9	102	1.1	81	109	1	0.025	16	
	92.1	113	1.5	84	121	1.5	0.025	15	
	101	133	2.1	87	148	2	0.03	13	

3 表格 / Tables

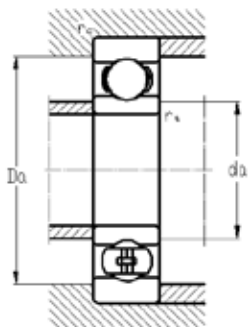
3.8 单列深沟球轴承 / Single Row Deep Groove Ball Bearings



型号	尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code	Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
	d	D	B	动态 / Dynamic	静态 / Static		油 / Oil	
	mm	mm	mm	C	C ₀	Pu	rpm	kg
6415	75	190	45	145	108	3.94	4700	6.80
61816	80	100	10	12.4	14.3	0.608	7600	0.150
61916		110	16	23.8	19.4	0.969	7100	0.400
16016		125	14	33.3	29.9	1.25	6600	0.600
6016		125	22	46.9	38.0	1.58	6600	0.850
6216		140	26	69.2	52.3	2.09	5700	1.40
6316		170	39	124	82.2	3.09	5000	3.60
6416		200	48	155	119	4.28	4500	8.00
61817	85	110	13	18.5	19.8	0.836	7100	0.270
61917		120	18	30.3	28.5	1.19	6600	0.550
16017		130	14	34.0	31.8	1.30	6300	0.630
6017		130	22	49.4	40.9	1.67	6300	0.890
6217		150	28	82.7	60.8	2.38	5300	1.80
6317		180	41	133	91.7	3.37	4700	4.25
6417		210	52	165	130	4.51	4300	9.50
61818	90	115	13	18.5	20.9	0.869	6600	0.280
61918		125	18	31.5	29.9	1.17	6300	0.590
16018		140	16	41.4	37.1	1.48	6000	0.850
6018		140	24	57.5	47.5	1.86	6000	1.15
6218		160	30	96.0	69.8	2.66	5000	2.15
6318		190	43	143	103	3.61	4500	4.90
6418		225	54	177	143	4.75	4100	11.5
61819	95	120	13	18.9	21.7	0.884	6300	0.300
61919		130	18	32.1	31.8	1.36	6000	0.610
16019		145	16	42.6	39.4	1.55	5700	0.890
6019		145	24	60.5	51.3	1.98	5700	1.20
6219		170	32	108.3	77.4	2.85	4700	2.60
6319		200	45	151.1	112	3.94	4300	5.65
61920	100	125	13	18.9	22.8	0.903	6000	0.310
61920		140	20	40.2	39.0	1.55	5700	0.830

3 表格 / Tables

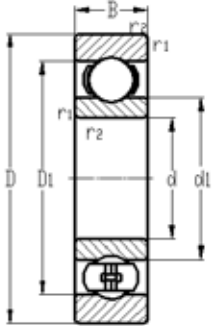
3.8 单列深沟球轴承 / Single Row Deep Groove Ball Bearings



	尺寸			挡肩及倒角尺寸				计算系数	
	Diameter			Shoulder & Chamfer Size				Calculation Coefficient	
	≈	≈		最小 / min	最小 / min	最大 / max	最大 / max		
	d	d1	D1	r1, 2	da	Da	ra	k_r	f_0
	mm	mm	mm	mm	mm	mm	mm		
75	110	154	3	91	174	2.5	0.035	12	
80	86.6	93.4	0.6	83.2	96.8	0.6	0.015	17	
	89.8	100	1	84.6	105	1	0.02	14	
	95.3	110	0.6	83.2	121	0.6	0.02	16	
	94.4	111	1.1	86	119	1	0.025	16	
	101	122	2	91	129	2	0.025	15	
	108	142	2.1	92	158	2	0.03	13	
	117	163	3	96	184	2.5	0.035	12	
85	93.2	102	1	89.6	105	1	0.015	17	
	96.4	109	1.1	91	114	1	0.02	16	
	100	115	0.6	88.2	126	0.6	0.02	16	
	99.4	116	1.1	92	123	1	0.025	16	
	106	130	2	94	141	2	0.025	15	
	115	151	3	99	166	2.5	0.03	13	
	123	171	4	105	190	3	0.035	12	
90	98.2	107	1	94.6	110	1	0.015	17	
	101	114	1.1	96	119	1	0.02	16	
	107	123	1	94.6	135	1	0.02	16	
	106	124	1.5	97	133	1.5	0.025	16	
	113	138	2	101	149	2	0.025	15	
	121	159	3	104	176	2.5	0.03	13	
	132	181	4	110	205	3	0.035	12	
95	103	112	1	99.6	115	1	0.015	17	
	106	119	1.1	101	124	1	0.02	17	
	112	128	1	99.6	140	1	0.02	16	
	111	129	1.5	102	138	1.5	0.025	16	
	118	146	2.1	106	159	2	0.025	14	
	128	167	3	109	186	2.5	0.03	13	
100	108	117	1	105	120	1	0.015	17	
	113	127	1.1	106	134	1	0.02	16	

3 表格 / Tables

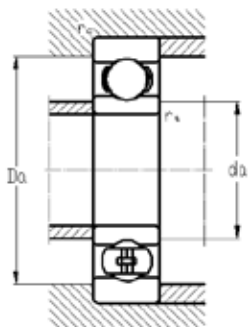
3.8 单列深沟球轴承 / Single Row Deep Groove Ball Bearings



型号	尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code	Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
	d	D	B	动态 / Dynamic	静态 / Static		油 / Oil	
	mm	mm	mm	C	C ₀	Pu	rpm	kg
16020	100	150	16	43.9	41.8	1.64	5300	0.910
6020		150	24	60.5	51.3	1.94	5300	1.25
6220		180	34	121	88.4	3.18	4500	3.15
6320		215	47	165	133	4.51	4100	7.00
61821	105	130	13	19.8	18.6	0.950	6000	0.320
61921		145	20	42.0	41.8	1.62	5000	0.870
16021		160	18	51.3	48.5	1.77	5000	1.20
6021		160	26	72.3	62.2	2.28	5000	1.60
6221		190	36	133	98.8	3.47	4300	3.70
6321		225	49	173	145.4	4.85	3800	8.25
61822	110	140	16	26.7	24.7	1.19	5300	0.600
61922		150	20	41.4	42.8	1.58	5300	0.900
16022		170	19	57.2	54.2	1.94	4700	1.45
6022		170	28	80.9	69.8	2.28	4700	1.95
6222		200	38	143	112	3.80	4100	4.35
6322		240	50	193	171	5.42	3600	9.55
61824	120	150	16	27.6	26.6	1.23	5000	0.650
61924		165	22	52.5	54.2	1.94	4700	1.20
16024		180	19	60.5	60.8	2.09	4500	1.60
6024		180	28	84.0	76.0	2.61	4500	2.05
6224		215	40	139	112	3.71	3800	5.15
6324		260	55	198	177	5.42	3200	12.5
61826	130	165	18	35.8	40.9	1.52	4500	0.930
61926		180	24	61.8	63.7	2.17	4300	1.85
16026		200	22	79.0	77.4	2.57	4100	2.35
6026		200	33	106	95	3.18	4100	3.15
6226		230	40	148	125	3.94	3400	5.80
6326M		280	58	218	205	5.99	3000	17.5
61828	140	175	18	37.1	44.2	1.58	4300	0.99
61928MA		190	24	63.0	68.4	2.24	5300	1.70

3 表格 / Tables

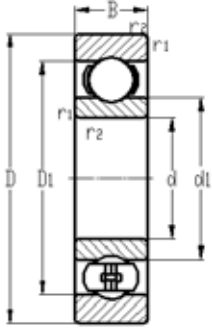
3.8 单列深沟球轴承 / Single Row Deep Groove Ball Bearings



	尺寸			挡肩及倒角尺寸				计算系数	
	Diameter			Shoulder & Chamfer Size				Calculation Coefficient	
	≈	≈		最小 / min	最小 / min	最大 / max	最大 / max		
	d	d1	D1	r1, 2	da	Da	ra	k_r	f_0
	mm	mm	mm	mm	mm	mm	mm		
100	116	134	1	105	145	1	0.02	17	
	116	134	1.5	107	143	1.5	0.025	16	
	125	155	2.1	111	169	2	0.025	14	
	136	179	3	114	201	2.5	0.03	13	
105	112	123	1	110	125	1	0.015	13	
	118	132	1.1	111	139	1	0.02	17	
	123	142	1	110	155	1	0.02	16	
	123	143	2	116	149	2	0.025	16	
	131	163	2.1	117	178	2	0.025	14	
110	142	188	3	119	211	2.5	0.03	13	
	119	131	1	115	135	1	0.015	14	
	123	137	1.1	116	144	1	0.02	17	
	130	150	1	115	165	1	0.02	16	
	129	151	2	119	161	2	0.025	16	
120	138	172	2.1	122	188	2	0.025	14	
	150	200	3	124	226	2.5	0.03	13	
	129	141	1	125	145	1	0.015	13	
	134	151	1.1	126	159	1	0.02	17	
	139	161	1	125	175	1	0.02	17	
130	139	161	2	129	171	2	0.025	16	
	151	184	2.1	132	203	2	0.025	14	
	165	215	3	134	246	2.5	0.03	14	
	140	155	1.1	136	159	1	0.015	16	
	146	164	1.5	137	173	1.5	0.02	16	
140	154	176	1.1	136	192	1	0.02	16	
	153	177	2	139	191	2	0.025	16	
	161	198	3	144	216	2.5	0.025	15	
	178	232	4	147	263	3	0.03	14	
	151	164	1.1	146	169	1	0.015	16	
	156	175	1.5	147	183	1.5	0.02	17	

3 表格 / Tables

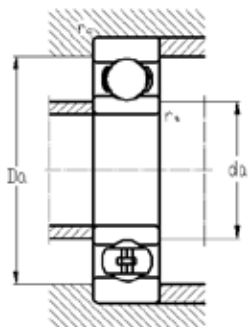
3.8 单列深沟球轴承 / Single Row Deep Groove Ball Bearings



型号	尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code	Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
	d	D	B	动态 / Dynamic	静态 / Static		油 / Oil	
	mm	mm	mm	C	C ₀	Pu	rpm	kg
16028	140	210	22	76.6	82.2	2.66	3800	2.50
6028		210	33	105.5	102.6	3.28	3800	3.35
6228		250	42	156.8	142.5	4.32	3200	7.45
6328M		300	62	238.5	232.8	6.75	4100	22.0
61830	150	190	20	46.4	58.0	1.86	4100	1.40
61930MA		210	28	84.0	88.4	2.76	5000	3.05
16030		225	24	87.6	93.1	2.90	3600	3.15
6030		225	35	119	119	3.71	3600	4.80
6230		270	45	165	158	4.66	3000	9.40
6330M		320	65	262	271	7.41	3800	26.0
61832	160	200	20	46.9	60.8	1.90	3800	1.45
61932MA		220	28	87.7	93.1	2.90	4700	3.25
16032		240	25	94.5	102.6	3.09	3400	3.70
6032		240	38	136	136	4.09	3400	5.90
6232		290	48	177	177	5.04	2800	14.5
6332M		340	68	262	271	7.27	3600	29.0
61834	170	215	22	58.7	74.1	2.28	3400	1.90
61934MA		230	28	88.9	101	2.99	4500	3.40
16034		260	28	113	123	3.56	3000	5.00
6034M		260	42	160	164	4.75	4100	7.90
6234		310	52	201	213	5.80	3600	17.5
6334M		360	72	296	323	8.36	3200	34.5
61836	180	225	22	59.3	77.4	2.33	3200	2.00
61936MA		250	33	113	127	3.71	4100	5.05
16036		280	31	131	139	3.94	3800	6.60
6036M		280	46	181	190	5.32	3800	10.5
6236M		320	52	218	228	6.08	3400	18.5
6336M		380	75	333	385	9.88	3000	42.5
61838	190	240	24	72.3	93.1	2.66	3000	2.60
61938MA		260	33	111	127	3.61	4100	5.25

3 表格 / Tables

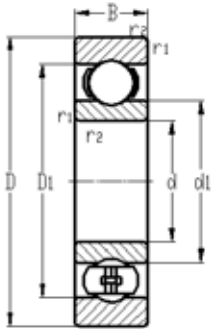
3.8 单列深沟球轴承 / Single Row Deep Groove Ball Bearings



	尺寸			挡肩及倒角尺寸				计算系数	
	Diameter			Shoulder & Chamfer Size				Calculation Coefficient	
		≈	≈	最小 / min	最小 / min	最大 / max	最大 / max		
	d	d1	D1	r1, 2	da	Da	ra	k_r	f_0
	mm	mm	mm	mm	mm	mm	mm		
140	164	186	1.1	146	204	1	0.02	17	
	163	187	2	149	201	2	0.025	16	
	176	213	3	154	236	2.5	0.025	15	
	191	248	4	157	283	3	0.03	14	
150	163	177	1.1	156	184	1	0.015	17	
	169	191	2	159	201	2	0.02	16	
	175	199	1.1	156	219	1	0.02	16	
	174	201	2.1	160	215	2	0.025	16	
	191	227	3	164	256	2.5	0.025	15	
160	206	263	4	167	303	3	0.03	14	
	173	187	1.1	166	194	1	0.015	17	
	179	201	2	169	211	2	0.02	16	
	186	213	1.5	167	233	1.5	0.02	17	
	186	214	2.1	169	231	2	0.025	16	
170	206	242	3	174	276	2.5	0.025	15	
	219	281	4	177	323	3	0.03	14	
	184	201	1.1	176	209	1	0.015	17	
	189	211	2	179	221	2	0.02	17	
	200	229	1.5	177	253	1.5	0.02	16	
	199	231	2.1	180	250	2	0.025	16	
180	219	259	4	187	293	3	0.025	15	
	231	298	4	187	343	3	0.03	14	
	194	211	1.1	186	219	1	0.015	17	
	203	227	2	189	241	2	0.02	16	
	214	246	2	189	271	2	0.02	16	
	212	248	2.1	190	270	2	0.025	16	
	227	273	4	197	303	3	0.025	15	
190	245	314	4	197	363	3	0.03	14	
	206	224	1.5	197	233	1.5	0.015	17	
	213	237	2	199	251	2	0.02	17	

3 表格 / Tables

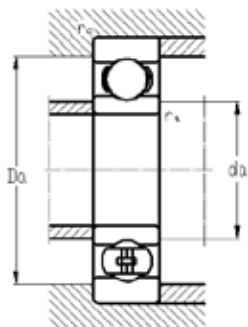
3.8 单列深沟球轴承 / Single Row Deep Groove Ball Bearings



型号	尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code	Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
	d	D	B	动态 / Dynamic	静态 / Static		油 / Oil	
	mm	mm	mm	C	C ₀	Pu	rpm	kg
16038	190	290	31	141	158	4.32	2800	7.90
6038M		290	46	185	205	5.56	3600	11.0
6238M		340	55	242	266	6.98	3200	23.0
6338M		400	78	352	409	10.3	2800	49.0
61840	200	250	24	72.3	96.9	2.76	3000	2.70
61940MA		280	38	141	158	4.32	3600	7.40
16040		310	34	160	181	4.85	2600	8.85
6040M		310	51	205	233	6.08	3400	14.0
6240M		360	58	257	295	7.41	3000	28.0
6340M		420	80	427	519	10.8	2400	46.3
61844	220	270	24	74.1	105	2.85	2600	3.00
61944MA		300	38	143	171	4.51	3400	8.00
16044		340	37	165	194	4.94	2300	11.5
6044M		340	56	235	276	6.98	3000	18.5
6244M		400	65	281	347	8.36	2800	37.0
6344M		460	88	390	494	11.4	2400	72.5
61848	240	300	28	103	143	3.61	2400	4.50
61948MA		320	38	151	190	4.85	3000	8.60
16048MA		360	37	169	209	5.04	2800	14.5
6048M		360	56	242	299	7.41	2800	19.5
6248M		440	72	340	442	10.3	2400	51.0
6348M		500	95	420	556	12.3	2300	92.5
61852	260	320	28	105	155	3.80	2300	4.80
61952MA		360	46	201	257	6.22	2800	14.5
16052MA		400	44	226	295	6.84	2600	21.5
6052M		400	65	276	356	8.36	2600	29.5
6252M		480	80	371	504	11.2	2300	65.5
61856	280	350	33	131	190	4.51	2100	7.40
61956MA		380	46	205	271	6.37	2600	15.0
16056MA		420	44	230	318	7.13	2400	23.0

3 表格 / Tables

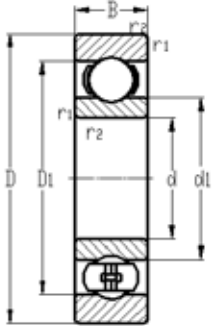
3.8 单列深沟球轴承 / Single Row Deep Groove Ball Bearings



	尺寸			挡肩及倒角尺寸				计算系数	
	Diameter			Shoulder & Chamfer Size				Calculation Coefficient	
	≈	≈		最小 / min	最小 / min	最大 / max	最大 / max		
	d	d1	D1	r1, 2	da	Da	ra	k_r	f_0
	mm	mm	mm	mm	mm	mm	mm		
190	224	255	2	199	281	2	0.02	16	
	222	258	2.1	200	280	2	0.025	16	
	240	290	4	207	323	3	0.025	15	
	259	331	5	210	380	4	0.03	14	
200	216	234	1.5	207	243	1.5	0.015	17	
	226	254	2.1	210	270	2	0.02	16	
	237	272	2	209	301	2	0.02	16	
	235	275	2.1	210	300	2	0.025	16	
	255	302	4	217	343	3	0.025	15	
	272	348	5	220	400	4	0.025	15	
220	236	254	2	249	291	2	0.015	17	
	246	274	2.1	250	310	2	0.02	17	
	262	298	2.1	250	350	2	0.02	17	
	258	302	3	253	347	2.5	0.025	16	
	283	335	4	257	423	3	0.025	15	
	300	381	5	260	480	4	0.03	15	
240	259	281	2	249	291	2	0.015	17	
	266	294	2.1	250	310	2	0.02	17	
	280	320	2.1	250	350	2	0.02	17	
	278	322	3	253	347	2.5	0.025	16	
	308	373	4	257	423	3	0.025	15	
	330	411	5	260	480	4	0.03	15	
260	279	301	2	269	311	2	0.015	17	
	292	328	2.1	270	350	2	0.02	16	
	307	352	3	273	387	2.5	0.02	16	
	305	355	4	277	383	3	0.025	16	
	336	405	5	280	460	4	0.025	15	
280	302	327	2	289	341	2	0.015	17	
	312	348	2.1	291	369	2	0.02	17	
	326	374	3	293	407	2.5	0.02	17	

3 表格 / Tables

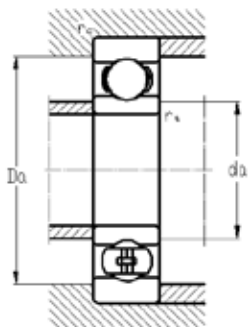
3.8 单列深沟球轴承 / Single Row Deep Groove Ball Bearings



型号	尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code	Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
	d	D	B	动态 / Dynamic	静态 / Static		油 / Oil	
	mm	mm	mm	C	C ₀	Pu	rpm	kg
6056M	280	420	65	287	385	8.84	2400	31.0
6256M		500	80	402	570	12.3	2100	71.0
61860MA	300	380	38	163	233	5.32	2400	10.5
61960MA		420	56	257	356	7.89	2300	24.5
16060MA		460	50	272	385	8.36	2300	32.0
6060M		460	74	340	475	10.3	2300	44.0
61864MA	320	400	38	163	242	5.42	2300	11.0
61964MA		440	56	262	380	8.22	2300	25.5
16064MA		480	50	267	385	8.22	2100	34.0
6064M		480	74	352	513	10.8	2100	46.0
61868MA	340	420	38	169	261	5.70	2300	11.5
61968MA		460	56	267	404	8.55	2100	26.5
61872MA	360	440	38	173	271	5.80	2100	12.0
61972MA		480	56	276	428	8.69	1900	28.0
61876MA	380	480	46	230	371	7.60	1900	20.0

3 表格 / Tables

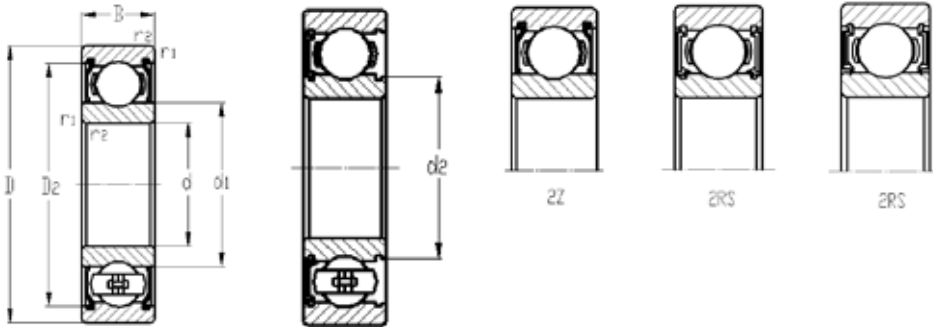
3.8 单列深沟球轴承 / Single Row Deep Groove Ball Bearings



	尺寸			挡肩及倒角尺寸				计算系数	
	Diameter			Shoulder & Chamfer Size				Calculation Coefficient	
		≈	≈	最小 / min	最小 / min	最大 / max	最大 / max		
	d	d ₁	D ₁	r _{1, 2}	d _a	D _a	r _a	k _r	f ₀
	mm	mm	mm	mm	mm	mm			
280	325	375	4	296	404	3	0.025	16	
	353	427	5	300	480	4	0.025	15	
300	326	354	2.1	309	371	2	0.015	17	
	338	382	3	313	407	2.5	0.02	16	
	352	408	4	315	445	3	0.02	16	
320	350	410	4	315	445	3	0.025	16	
	346	374	2.1	332	388	2	0.015	17	
340	358	402	3	333	427	2.5	0.02	16	
	372	428	4	335	465	3	0.02	17	
	370	431	4	335	465	3	0.025	16	
360	366	394	2.1	352	408	2	0.015	17	
	378	423	3	353	447	2.5	0.02	17	
380	385	416	2.1	372	428	2	0.015	17	
	398	442	3	373	467	2.5	0.02	17	
	412	449	2.1	392	468	2	0.015	17	

3 表格 / Tables

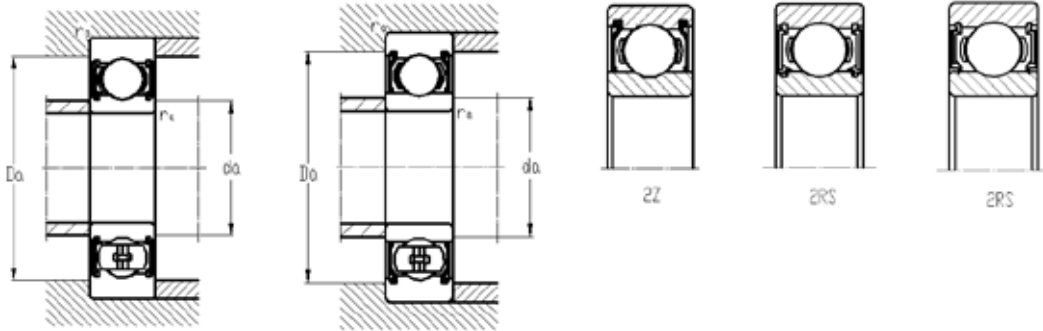
3.9 深沟球轴承 (密封) / Single Row Deep Groove Ball Bearings (sealed)



型号		尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code		Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
两侧带密封件	一侧带密封件				动态	静态	Pu	脂	
					dynamic	static			
2 Sides sealed	1 Side sealed	d	D	B	C	C ₀	kN	rpm	kg
		mm	mm	mm	kN	kN			
61802-2Z		15	24	5	1.48	0.76	0.032	28000	0.007
61802-2RS			24	5	1.48	0.76	0.032	16000	0.007
61902-2Z			28	7	4.14	2.13	0.090	26000	0.016
61902-2RS			28	7	4.14	2.13	0.090	15000	0.016
16002-2Z	16002-Z		32	8	5.56	2.71	0.114	24000	0.025
6002-2Z	6002-Z		32	9	5.56	2.71	0.114	24000	0.030
6002-2RS	6002-RS		32	9	5.56	2.71	0.114	13000	0.030
63002-2RS			32	13	5.31	2.71	0.114	13000	0.039
6202-2Z	6202-Z		35	11	7.66	3.56	0.152	21000	0.045
6202-2RS	6202-RS		35	11	7.66	3.56	0.152	12000	0.045
62202-2RS			35	14	7.41	3.56	0.152	12000	0.054
6302-2Z	6302-Z		42	13	11.3	5.13	0.217	18000	0.082
6302-2RS	6302-RS		42	13	11.3	5.13	0.217	11000	0.082
62302-2RS			42	17	10.8	5.13	0.217	11000	0.110
61803-2Z		17	26	5	1.60	0.88	0.037	26000	0.008
61803-2RS			26	5	1.60	0.88	0.037	15000	0.008
61903-2Z			30	7	4.39	2.42	0.103	24000	0.018
61903-2RS			30	7	4.39	2.42	0.103	13000	0.018
16003-2Z			35	8	6.05	3.09	0.130	21000	0.032
6003-2Z	6003-Z		35	10	6.05	3.09	0.130	21000	0.039
6003-2RS	6003-RS		35	10	6.05	3.09	0.130	12000	0.039
63003-2RS			35	14	5.75	3.09	0.130	12000	0.052
6203-2Z	6203-Z		40	12	9.45	4.51	0.190	18000	0.065
6203-2RS	6203-RS		40	12	9.45	4.51	0.190	11000	0.065
62203-2RS			40	16	9.08	4.51	0.190	11000	0.083
6303-2Z	6303-Z		47	14	13.6	6.22	0.261	16000	0.120
6303-2RS	6303-RS		47	14	13.6	6.22	0.261	10000	0.120
62303-2RS			47	19	12.8	6.22	0.261	10000	0.150

3 表格 / Tables

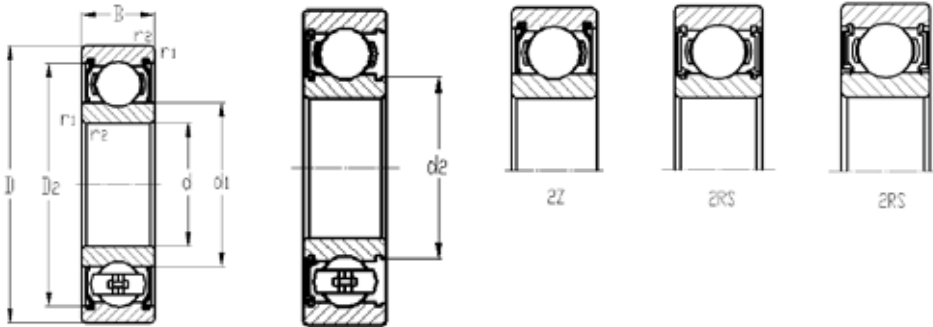
3.9 深沟球轴承（密封） / Single Row Deep Groove Ball Bearings (sealed)



	尺寸				挡肩及倒角尺寸					计算系数	
	Diameter				Shoulder & Chamfer Size					Calculation Coefficient	
				最小	最小	最大	最大	最大			
	~	~	~	min	min	max	max	max			
d	d1	d2	D2	r1,2	da	da	Da	ra	k_r	f_0	
mm	mm	mm	mm	mm	mm	mm	mm	mm			
15	17.9	-	22.1	0.3	17	-	22	0.3	0.015	10	
	17.9	-	22.1	0.3	17	-	22	0.3	0.015	10	
	18.4	-	25.8	0.3	17	-	26	0.3	0.02	14	
	-	17.4	25.8	0.3	17	17.3	26	0.3	0.02	14	
	20.2	-	28.2	0.3	17	-	30	0.3	0.02	14	
	20.5	-	28.2	0.3	17	-	30	0.3	0.025	14	
	-	18.7	28.2	0.3	17	18.5	30	0.3	0.025	14	
	20.5	-	28.2	0.3	17	-	30	0.3	0.025	14	
	21.7	-	30.4	0.6	19.2	-	30.8	0.6	0.025	13	
	-	19.4	30.4	0.6	19.2	19.4	30.8	0.6	0.025	13	
	21.7	-	30.4	0.6	19.2	-	30.8	0.6	0.025	13	
	23.7	-	36.3	1	20.6	-	36.4	1	0.03	12	
-	21.1	36.3	1	20.6	21	36.4	1	0.03	12		
23.7	-	36.3	1	20.6	-	36.4	1	0.03	12		
17	20.2	-	24.1	0.3	19	-	24	0.3	0.015	10	
	-	19.3	24.1	0.3	19	19.2	24	0.3	0.015	10	
	20.4	-	27.8	0.3	19	-	28	0.3	0.02	15	
	-	19.4	27.8	0.3	19	19.3	28	0.3	0.02	15	
	22.7	-	31.2	0.3	19	-	33	0.3	0.02	14	
	23	-	31.4	0.3	19	-	33	0.3	0.025	14	
	-	20.7	31.4	0.3	19	20.5	33	0.3	0.025	14	
	23	-	31.4	0.3	19	-	33	0.3	0.025	14	
	24.5	-	35	0.6	21.2	-	35.8	0.6	0.025	13	
	-	22.2	35	0.6	21.2	22	35.8	0.6	0.025	13	
	24.5	-	35	0.6	21.2	-	35.8	0.6	0.025	13	
	26.5	-	39.7	1	22.6	-	41.4	1	0.03	12	
-	24	39.7	1	22.6	23.5	41.4	1	0.03	12		
26.5	-	39.7	1	22.6	-	41.4	1	0.03	12		

3 表格 / Tables

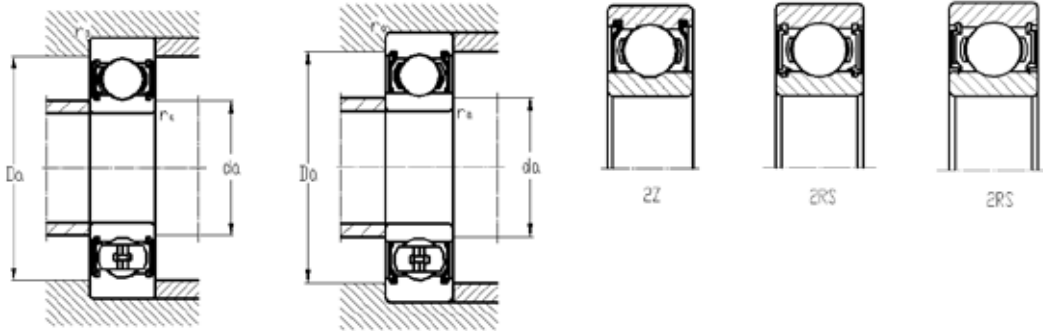
3.9 深沟球轴承 (密封) / Single Row Deep Groove Ball Bearings (sealed)



型号		尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code		Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
两侧带密封件	一侧带密封件				动态	静态	Pu	脂	
					dynamic	static			
2 Sides sealed	1 Side sealed	d	D	B	C	C ₀	kN	rpm	kg
		mm	mm	mm	kN	kN			
61804-2RS		20	32	7	3.83	2.20	0.099	12000	0.018
61904-2RS			37	9	6.05	3.47	0.148	11000	0.038
6004-2Z	6004-Z		42	12	9.45	4.75	0.201	18000	0.069
6004-2RS	6004-RS		42	12	9.45	4.75	0.201	10000	0.069
63004-2RS			42	16	8.89	4.75	0.201	10000	0.086
6204-2Z	6204-Z		47	14	12.8	6.22	0.266	16000	0.110
6204-2RS	6204-RS		47	14	12.8	6.22	0.266	9500	0.110
62204-2RS	62204-RS		47	18	12.1	6.22	0.266	9500	0.130
6304-2Z	6304-Z		52	15	16.0	7.41	0.318	14000	0.140
6304-2RS	6304-RS		52	15	16.0	7.41	0.318	9000	0.140
62304-2RS			52	21	15.1	7.41	0.318	9000	0.200
62/22-2RS		22	50	14	13.3	7.27	0.309	8000	0.120
61805-2RS		25	37	7	4.14	2.47	0.119	10000	0.022
61905-2RS			42	9	6.67	4.09	0.183	9500	0.045
6005-2Z	6005-Z		47	12	11.3	6.22	0.261	15000	0.080
6005-2RS	6005-RS		47	12	11.3	6.22	0.261	9000	0.080
63005-2RS			47	16	10.6	6.22	0.261	9000	0.100
6205-2Z	6205-Z		52	15	14.1	7.41	0.318	13000	0.130
6205-2RS	6205-RS		52	15	14.1	7.41	0.318	8000	0.130
62205-2RS			52	18	13.3	7.41	0.318	8000	0.150
6305-2Z	6305-Z		62	17	22.2	11.0	0.466	12000	0.230
6305-2RS	6305-RS		62	17	22.2	11.0	0.466	7000	0.230
62305-2RS	62305-RS		62	24	21.4	11.0	0.466	7000	0.320
61806-2RS		30	42	7	4.27	2.76	0.139	9000	0.027
61906-2RS			47	9	6.92	4.32	0.201	8000	0.051
6006-2Z	6006-Z		55	13	13.1	7.89	0.337	13000	0.120
6006-2RS	6006-RS		55	13	13.1	7.89	0.337	7600	0.120
63006-2RS			55	19	12.6	7.89	0.337	7600	0.160

3 表格 / Tables

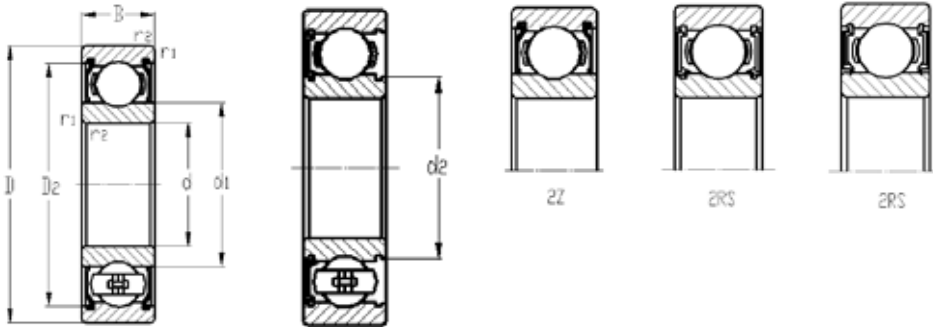
3.9 深沟球轴承（密封） / Single Row Deep Groove Ball Bearings (sealed)



尺寸					挡肩及倒角尺寸					计算系数	
Diameter					Shoulder & Chamfer Size					Calculation Coefficient	
	~	~	~	最小	最小	最大	最大	最大			
d	d1	d2	D2	r1,2	da	da	Da	ra	k_r	f_0	
mm	mm	mm	mm	mm	mm	mm	mm	mm			
20	-	22.6	29.5	0.3	22	22.5	30	0.3	0.015	15	
	-	24.2	32.8	0.3	22	24	35	0.3	0.02	15	
	27.2	-	37.2	0.6	23.2	-	38.8	0.6	0.025	14	
	-	24.9	37.2	0.6	23.2	24.5	38.8	0.6	0.025	14	
	27.2	-	37.2	0.6	23.2	-	38.8	0.6	0.025	14	
	28.8	-	40.6	1	25.6	-	41.4	1	0.025	13	
	-	26.3	40.6	1	25.6	26	41.4	1	0.025	13	
	28.8	-	40.6	1	25.6	-	41.4	1	0.025	13	
	30.4	-	44.8	1.1	27	-	45	1	0.03	12	
	-	27.2	44.8	1.1	27	27	45	1	0.03	12	
	30.4	-	44.8	1.1	27	-	45	1	0.03	12	
22	-	32.2	44	1	27.6	32	44.4	1	0.025	14	
25	-	27.4	34.3	0.3	27	27.3	35	0.3	0.015	14	
	-	29.2	37.8	0.3	27	29	40	0.3	0.02	15	
	32	-	42.2	0.6	28.2	-	43.8	0.6	0.025	14	
	-	29.7	42.2	0.6	28.2	29.5	43.8	0.6	0.025	14	
	32	-	42.2	0.6	29.2	-	43.8	0.6	0.025	14	
	34.4	-	46.3	1	30.6	-	46.4	1	0.025	14	
	-	31.8	46.3	1	30.6	31.5	46.4	1	0.025	14	
	34.4	-	46.3	1	30.6	-	46.4	1	0.025	14	
	36.6	-	52.7	1.1	32	-	55	1	0.03	12	
	36.6	-	52.7	1.1	32	-	55	1	0.03	12	
	36.6	-	52.7	1.1	32	-	55	1	0.03	12	
30	-	32.6	39.5	0.3	32	32.5	40	0.3	0.015	14	
	-	34.2	42.8	0.3	32	34	45	0.3	0.02	14	
	38.2	-	49	1	34.6	-	50.4	1	0.025	15	
	38.2	-	49	1	34.6	-	50.4	1	0.025	15	
	38.2	-	49	1	34.6	-	50.4	1	0.025	15	

3 表格 / Tables

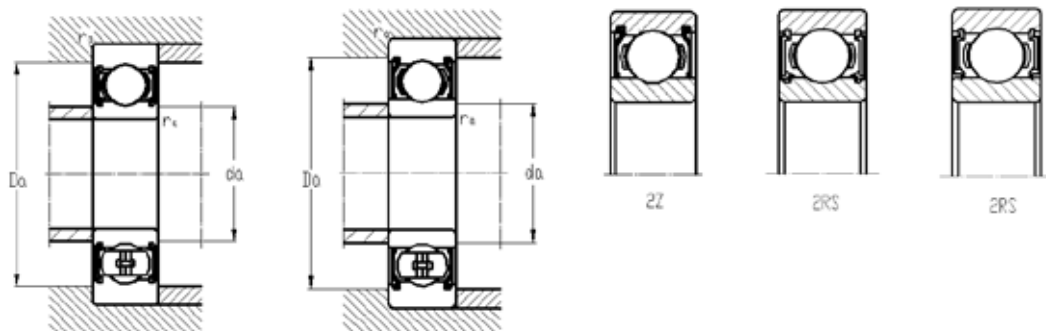
3.9 深沟球轴承 (密封) / Single Row Deep Groove Ball Bearings (sealed)



型号		尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code		Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
两侧带密封件	一侧带密封件				动态	静态	Pu	脂	
					dynamic	static			
2 Sides sealed	1 Side sealed	d	D	B	C	C ₀	kN	rpm	kg
		mm	mm	mm	kN	kN			
6206-2Z	6206-Z	25	62	16	19.3	10.6	0.451	11000	0.200
6206-2RS	6206-RS		62	16	19.3	10.6	0.451	7100	0.200
62206-2RS			62	20	18.5	10.6	0.708	7100	0.240
6306-2Z	6306-Z		72	19	28.1	15.2	0.637	10000	0.350
6306-2RS	6306-RS	30	72	19	28.1	15.2	0.637	6000	0.350
62306-2RS			72	27	26.7	15.2	0.637	6000	0.480
61807-2RS		35	47	7	4.51	3.04	0.158	7600	0.030
61907-2RS			55	10	9.08	6.46	0.276	7100	0.080
6007-2Z	6007-Z		62	14	16.0	9.69	0.418	11000	0.160
6007-2RS	6007-RS		62	14	16.0	9.69	0.418	6000	0.160
63007-2RS			62	20	15.1	9.69	0.418	6000	0.210
6207-2Z	6207-Z		72	17	25.7	14.5	0.622	9000	0.290
6207-2RS	6207-RS		72	17	25.7	14.5	0.622	6000	0.290
62207-2RS			72	23	24.2	14.5	0.622	6000	0.370
6307-2Z	6307-Z		80	21	33.3	18.1	0.774	9000	0.460
6307-2RS	6307-RS		80	21	33.3	18.1	0.774	5700	0.460
62307-2RS			80	31	31.5	18.1	0.774	5700	0.660
61808-2RS		40	52	7	4.69	3.28	0.177	7000	0.034
61908-2RS			62	12	13.11	9.50	0.404	6000	0.120
6008-2Z	6008-Z		68	15	16.9	11.0	0.466	10000	0.190
6008-2RS	6008-RS		68	15	16.9	11.0	0.466	6000	0.190
63008-2RS			68	21	16.0	11.0	0.466	6000	0.260
6208-2Z	6208-Z		80	18	30.9	18.1	0.760	8000	0.370
6208-2RS	6208-RS		80	18	30.9	18.1	0.760	5000	0.370
62208-2RS			80	23	29.2	18.1	0.760	5000	0.440
6308-2Z	6308-Z		90	23	40.2	22.8	0.969	8000	0.630
6308-2RS	6308-RS		90	23	40.2	22.8	0.969	5000	0.630
62308-2RS			90	33	39.0	22.8	0.969	5000	0.890

3 表格 / Tables

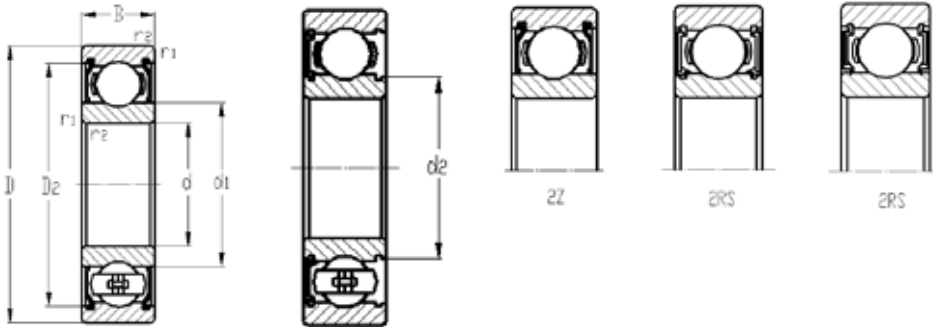
3.9 深沟球轴承 (密封) / Single Row Deep Groove Ball Bearings (sealed)



	尺寸				挡肩及倒角尺寸					计算系数	
	Diameter				Shoulder & Chamfer Size					Calculation Coefficient	
				最小	最小	最大	最大	最大			
	~	~	~	min	min	max	max	max			
d	d1	d2	D2	r1,2	da	da	Da	ra	k_r	f_0	
mm	mm	mm	mm	mm	mm	mm	mm	mm			
25	40.4	-	54.1	1	35.6	-	56.4	1	0.025	14	
	40.4	-	54.1	1	35.6	-	56.4	1	0.025	14	
	40.4	-	54.1	1	35.6	-	56.4	1	0.025	14	
	44.6	-	61.9	1.1	37	-	65	1	0.03	13	
30	44.6	-	61.9	1.1	37	-	65	1	0.03	13	
	44.6	-	61.9	1.1	37	-	65	1	0.03	13	
35	-	37.6	44.4	0.3	37	37.5	45	0.3	0.015	14	
	41.6	-	50.5	0.6	38.2	-	51.8	0.6	0.02	14	
	43.8	-	55.6	1	39.6	-	57.4	1	0.025	15	
	43.8	-	55.6	1	39.6	-	57.4	1	0.025	15	
	43.8	-	55.6	1	39.6	-	57.4	1	0.025	15	
	46.9	-	62.7	1.1	42	-	65	1	0.025	14	
	46.9	-	62.7	1.1	42	-	65	1	0.025	14	
	46.9	-	62.7	1.1	42	-	65	1	0.025	14	
	49.6	-	69.2	1.5	44	-	71	1.5	0.03	13	
	49.6	-	69.2	1.5	44	-	71	1.5	0.03	13	
	49.6	-	69.2	1.5	44	-	71	1.5	0.03	13	
40	-	42.6	49.6	0.3	42	42.5	50	0.3	0.015	14	
	46.9	-	57.3	0.6	43.2	-	58.8	0.6	0.02	16	
	49.3	-	61.1	1	44.6	-	63.4	1	0.025	15	
	49.3	-	61.1	1	44.6	-	63.4	1	0.025	15	
	49.3	-	61.1	1	44.6	-	63.4	1	0.025	15	
	52.6	-	69.8	1.1	47	-	73	1	0.025	14	
	52.6	-	69.8	1.1	47	-	73	1	0.025	14	
	52.6	-	69.8	1.1	47	-	73	1	0.025	14	
	56.1	-	77.7	1.5	49	-	81	1.5	0.03	13	
	56.1	-	77.7	1.5	49	-	81	1.5	0.03	13	
	56.1	-	77.7	1.5	49	-	81	1.5	0.03	13	

3 表格 / Tables

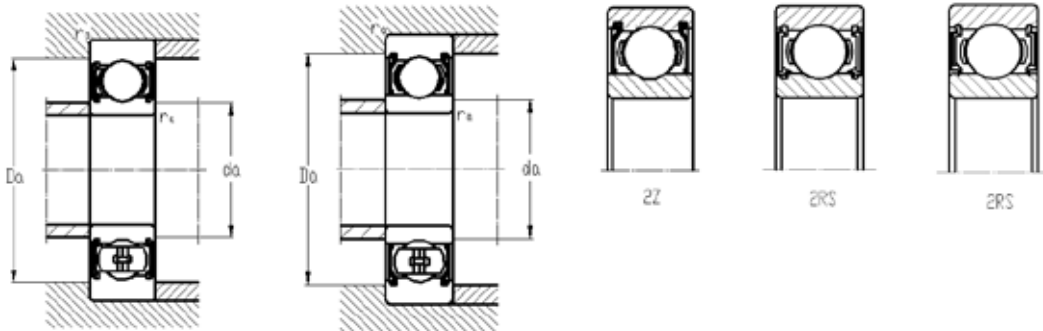
3.9 深沟球轴承 (密封) / Single Row Deep Groove Ball Bearings (sealed)



型号		尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code		Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
两侧带密封件	一侧带密封件				动态	静态	Pu	脂	
					dynamic	static			
2 Sides sealed	1 Side sealed	d	D	B	C	C ₀	kN	rpm	kg
		mm	mm	mm	kN	kN			
		45	58	7	6.30	5.80	0.247	6000	0.040
			68	12	13.3	10.3	0.442	5500	0.140
6009-2Z	6009-Z		75	16	21.0	13.9	0.608	9500	0.250
6009-2RS	6009-RS		75	16	21.0	13.9	0.608	5300	0.250
			75	23	19.8	13.9	0.608	5300	0.340
6209-2Z	6209-Z		85	19	33.3	20.5	0.869	8000	0.410
6209-2RS	6209-RS		85	19	33.3	20.5	0.869	4700	0.410
			85	23	31.5	20.5	0.869	4700	0.480
6309-2Z	6309-Z		100	25	52.5	29.9	1.27	7100	0.830
6309-2RS	6309-RS		100	25	52.5	29.9	1.27	4300	0.830
			100	36	50.1	29.9	1.27	4300	1.15
		50	65	7	6.42	6.46	0.271	5700	0.052
			72	12	13.9	11.2	0.475	5300	0.140
6010-2Z	6010-Z		80	16	21.8	15.2	0.675	8500	0.260
6010-2RS	6010-RS		80	16	21.8	15.2	0.675	4700	0.260
			80	23	20.5	15.2	0.675	4700	0.370
6210-2Z	6210-Z		90	20	35.2	22.0	0.931	7600	0.460
6210-2RS	6210-RS		90	20	35.2	22.0	0.931	4500	0.460
			90	23	33.3	22.0	0.931	4500	0.520
6310-2Z	6310-Z		110	27	61.8	36.1	1.52	6300	1.05
6310-2RS	6310-RS1		110	27	61.8	36.1	1.52	4100	1.05
			110	40	58.7	36.1	1.52	4100	1.55
		55	72	9	8.59	8.36	0.356	5000	0.083
			80	13	15.7	13.3	0.570	4700	0.190
6011-2Z	6010-Z		90	18	28.1	20.1	0.855	7600	0.390
6011-2RS	6011-RS		90	18	28.1	20.1	0.855	4200	0.390
6211-2Z	6211-Z		100	21	43.9	27.6	1.19	6600	0.610
6211-2RS	6211-RS		100	21	43.9	27.6	1.19	4100	0.610

3 表格 / Tables

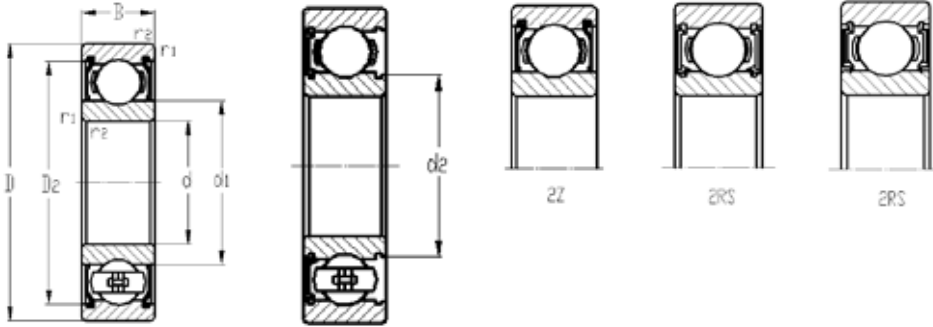
3.9 深沟球轴承（密封） / Single Row Deep Groove Ball Bearings (sealed)



	尺寸				挡肩及倒角尺寸					计算系数	
	Diameter				Shoulder & Chamfer Size					Calculation Coefficient	
				最小	最小	最大	最大	最大			
	~	~	~	min	min	max	max	max			
d	d1	d2	D2	r1,2	da	da	Da	ra	k_r	f_0	
mm	mm	mm	mm	mm	mm	mm	mm	mm			
45	49.1	-	55.4	0.3	47	-	56	0.3	0.015	17	
	52.4	-	62.8	0.6	48.2	-	64.8	0.6	0.02	16	
	54.8	-	67.8	1	50.8	-	69.2	1	0.025	15	
	54.8	-	67.8	1	50.8	-	69.2	1	0.025	15	
	54.8	-	67.8	1	50.8	-	69.2	1	0.025	15	
	57.6	-	75.2	1.1	52	-	78	1	0.025	14	
	57.6	-	75.2	1.1	52	-	78	1	0.025	14	
	57.6	-	75.2	1.1	52	-	78	1	0.025	14	
	62.2	-	86.7	1.5	54	-	91	1.5	0.03	13	
	62.2	-	86.7	1.5	54	-	91	1.5	0.03	13	
50	55.1	-	61.8	0.3	52	-	63	0.3	0.015	17	
	56.9	-	67.3	0.6	53.2	-	68.8	0.6	0.02	16	
	59.8	-	72.8	1	54.6	-	75.4	1	0.025	15	
	59.8	-	72.8	1	54.6	-	75.4	1	0.025	15	
	59.8	-	72.8	1	54.6	-	75.4	1	0.025	15	
	62.5	-	81.6	1.1	57	-	83	1	0.025	14	
	62.5	-	81.6	1.1	57	-	83	1	0.025	14	
	62.5	-	81.6	1.1	57	-	83	1	0.025	14	
	68.8	-	95.2	2	59	-	101	2	0.03	13	
	68.8	-	95.2	2	59	-	101	2	0.03	13	
55	60.6	-	68.6	0.3	57	-	70	0.3	0.015	17	
	63.2	-	74.2	1	59.6	-	75.4	1	0.02	16	
	66.3	-	81.5	1.1	61	-	84	1	0.025	15	
	66.3	-	81.5	1.1	61	-	84	1	0.025	15	
	69.1	-	89.4	1.5	64	-	91	1.5	0.025	14	
	69.1	-	89.4	1.5	64	-	91	1.5	0.025	14	

3 表格 / Tables

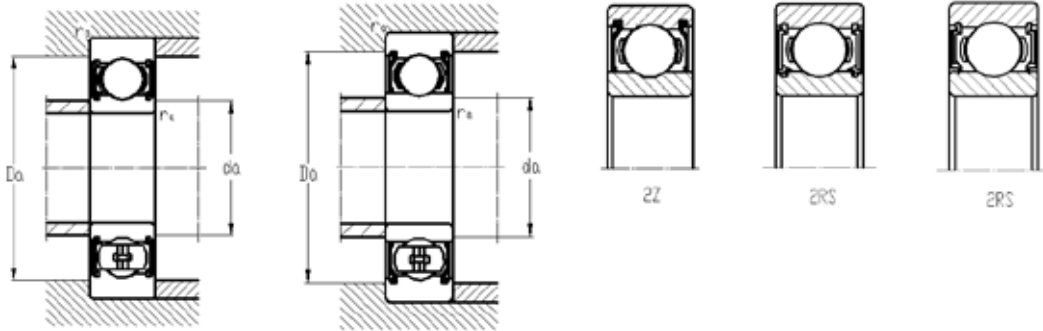
3.9 深沟球轴承 (密封) / Single Row Deep Groove Ball Bearings (sealed)



型号		尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code		Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
两侧带密封件	一侧带密封件				动态	静态	Pu	脂	
					dynamic	static			
2 Sides sealed	1 Side sealed	d	D	B	C	C ₀	kN	rpm	kg
		mm	mm	mm	kN	kN			
62211-2RS		55	100	25	41.4	27.6	1.19	4100	0.700
6311-2Z	6311-Z		120	29	70.4	42.8	1.81	6000	1.35
6311-2RS	6311-RS		120	29	70.4	42.8	1.81	3600	1.35
62311-2RS	62311-RS		120	43	67.9	42.8	1.81	3600	1.95
61812-2RS		60	78	10	11.3	10.8	0.466	4500	0.110
61912-2RS			85	13	15.7	13.6	0.570	4200	0.200
6012-2Z	6012-Z		95	18	29.2	22.0	0.931	7100	0.420
6012-2RS	6012-RS		95	18	29.2	22.0	0.931	4000	0.420
6212-2Z	6212-Z		110	22	52.5	34.2	1.45	6000	0.780
6212-2RS	6212-RS		110	22	52.5	34.2	1.45	3800	0.780
62212-2RS			110	28	50.1	34.2	1.45	3800	0.970
6312-2Z	6312-Z		130	31	80.9	49.4	2.09	5300	1.70
6312-2RS	6312-RS		130	31	80.9	49.4	2.09	3200	1.70
62312-2RS			130	46	77.8	49.4	2.09	3200	2.50
61813-2RS		65	85	10	11.8	12.1	0.513	4300	0.130
61913-2RS			90	13	16.5	15.2	0.646	4100	0.220
6013-2Z	6013-Z		100	18	30.3	23.8	1.01	6600	0.440
6013-2RS	6013-RS		100	18	30.3	23.8	1.01	3800	0.440
6213-2Z	6213-Z		120	23	55.6	38.5	1.64	5700	0.990
6213-2RS	6213-RS		120	23	55.6	38.5	1.64	3400	0.990
62213-2RS			120	31	53.1	38.5	1.64	3400	1.25
6313-2Z	6313-Z		140	33	92.6	57.0	2.38	5000	2.10
6313-2RS	6313-RS		140	33	92.6	57.0	2.38	3000	2.10
62313-2RS			140	48	87.7	57.0	2.38	3000	3.00
61814-2RS		70	90	10	11.8	12.5	0.532	4000	0.140
61914-2RS			100	16	22.6	20.1	0.855	3800	0.350
6014-2Z	6014-Z		110	20	37.7	29.5	1.25	6000	0.600
6014-2RS	6014-RS		110	20	37.7	29.5	1.25	3000	0.600

3 表格 / Tables

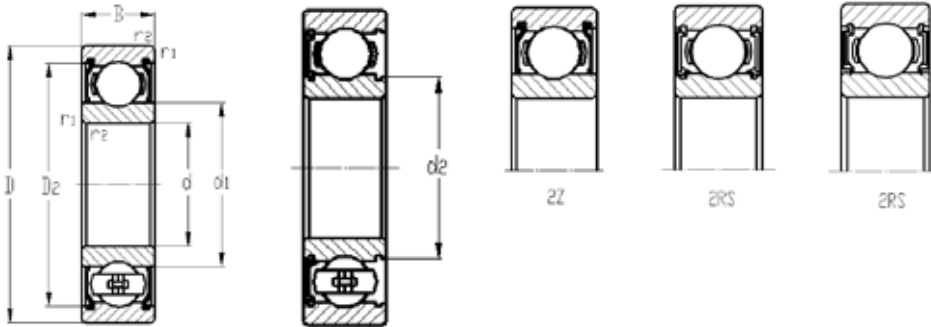
3.9 深沟球轴承 (密封) / Single Row Deep Groove Ball Bearings (sealed)



	尺寸				挡肩及倒角尺寸					计算系数	
	Diameter				Shoulder & Chamfer Size					Calculation Coefficient	
				最小	最小	最大	最大	最大			
		≈	≈	≈	min	min	max	max	max		
	d	d1	d2	D2	r1,2	da	da	Da	ra	k_r	f_0
mm	mm	mm	mm	mm	mm	mm	mm	mm			
55	69.1	-	89.4	1.5	64	-	91	1.5	0.025	14	
	75.3	-	104	2	66	-	109	2	0.03	13	
	75.3	-	104	2	66	-	109	2	0.03	13	
	75.3	-	104	2	66	-	109	2	0.03	13	
60	65.6	-	74.5	0.3	62	-	76	0.3	0.015	17	
	68.2	-	79.2	1	64.6	-	80.4	1	0.02	16	
	71.3	-	86.5	1.1	66	-	89	1	0.025	16	
	72.3	-	86.5	1.1	66	-	89	1	0.025	16	
	75.5	-	98	1.5	69	-	101	1.5	0.025	14	
	75.5	-	98	1.5	69	-	101	1.5	0.025	14	
	75.5	-	98	1.5	69	-	101	1.5	0.025	14	
	81.9	-	112	2.1	72	-	118	2	0.03	13	
65	71.6	-	80.5	0.6	68.2	-	81.8	0.6	0.015	17	
	-	73.2	84.2	1	69.6	73	85.4	1	0.02	17	
	76.3	-	91.5	1.1	71	-	94	1	0.025	16	
	76.3	-	91.5	1.1	71	-	94	1	0.025	16	
	83.3	-	106	1.5	74	-	111	1.5	0.025	15	
	83.3	-	106	1.5	74	-	111	1.5	0.025	15	
	83.3	-	106	1.5	74	-	111	1.5	0.025	15	
	88.4	-	121	2.1	77	-	128	2	0.03	13	
70	76.6	-	85.5	0.6	73.2	-	86.8	0.6	0.015	17	
	79.7	-	93.3	1	74.6	-	95.4	1	0.02	16	
	82.9	-	99.9	1.1	76	-	104	1	0.025	16	
	82.9	-	99.9	1.1	76	-	104	1	0.025	16	
	82.9	-	99.9	1.1	76	-	104	1	0.025	16	

3 表格 / Tables

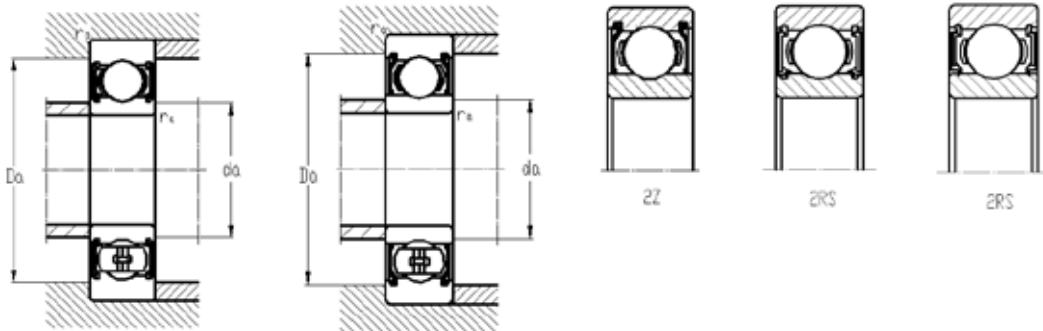
3.9 深沟球轴承 (密封) / Single Row Deep Groove Ball Bearings (sealed)



型号		尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code		Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
两侧带密封件	一侧带密封件				动态	静态	Pu	脂	
					dynamic	static			
2 Sides sealed	1 Side sealed	d	D	B	C	C ₀	kN	rpm	kg
		mm	mm	mm	kN	kN			
6214-2Z	6214-Z	70	125	24	60.5	42.8	1.81	5300	1.10
6214-2RS	6214-RS		125	24	60.5	42.8	1.81	3200	1.10
62214-2RS			125	31	57.5	42.8	1.81	3200	1.30
6314-2Z	6314-Z		150	35	105	64.6	2.61	4700	2.50
6314-2RS	6314-RS		150	35	105	64.6	2.61	2800	2.50
62314-2RS			150	51	98.8	64.6	2.61	2800	3.55
61815-2RS		75	95	10	12.1	13.6	0.580	3800	0.150
61915-2RS			105	16	23.0	18.3	0.917	3400	0.370
6015-2Z	6015-Z		115	20	39.5	31.8	1.36	5700	0.640
6015-2RS	6015-RS		115	20	39.5	31.8	1.36	3200	0.640
6215-2Z	6215-Z		130	25	65.5	46.6	1.94	5000	1.20
6215-2RS	6215-RS		130	25	65.5	46.6	1.94	3000	1.20
6315-2Z	6315-Z		160	37	113	72.7	2.85	4300	3.00
6315-2RS	6315-RS		160	37	113	72.7	2.85	2600	3.00
61816-2RS		80	100	10	12.4	14.3	0.608	3400	0.150
61916-2RS			110	16	23.8	19.4	0.969	3200	0.400
6016-2Z	6016-Z		125	22	46.9	38.0	1.58	5300	0.850
6016-2RS	6016-RS		125	22	46.9	38.0	1.58	3000	0.850
6216-2Z	6216-Z		140	26	69.2	52.3	2.09	4500	1.40
6216-2RS	6216-RS		140	26	69.2	52.3	2.09	2800	1.40
6316-2Z	6316-Z		170	39	124	82.2	3.09	4100	3.60
6316-2RS	6316-RS		170	39	124	82.2	3.09	2400	3.60
61817-2RS		85	110	13	18.5	19.8	0.836	3200	0.270
6017-2Z	6017-Z		130	22	49.4	40.9	1.67	5000	0.890
6017-2RS	6017-RS		130	22	49.4	40.9	1.67	2800	0.890
6217-2Z	6217-Z		150	28	82.7	60.8	2.38	4300	1.80
6217-2RS	6217-RS		150	28	82.7	60.8	2.38	2600	1.80
6317-2Z	6317-Z		180	41	133	91.7	3.37	3800	4.25

3 表格 / Tables

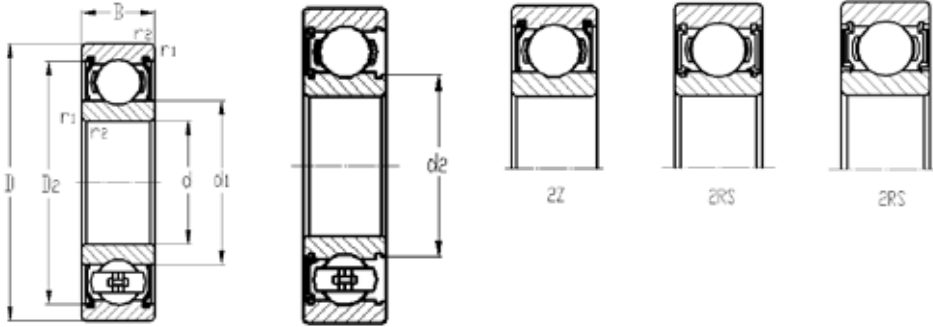
3.9 深沟球轴承（密封） / Single Row Deep Groove Ball Bearings (sealed)



	尺寸				挡肩及倒角尺寸					计算系数	
	Diameter				Shoulder & Chamfer Size					Calculation Coefficient	
				最小	最小	最大	最大	最大			
		≈	≈	≈	min	min	max	max	max		
	d	d1	d2	D2	r1,2	da	da	Da	ra	k_r	f_0
mm	mm	mm	mm	mm	mm	mm	mm	mm			
70	87.1	-	111	1.5	79	-	116	1.5	0.025	15	
	87.1	-	111	1.5	79	-	116	1.5	0.025	15	
	87.1	-	111	1.5	79	-	116	1.5	0.025	15	
	95	-	130	2.1	82	-	138	2	0.03	13	
	95	-	130	2.1	82	-	138	2	0.03	13	
	95	-	130	2.1	82	-	138	2	0.03	13	
75	81.6	-	90.5	0.6	78.2	-	91.8	0.6	0.015	17	
	84.7	-	98.3	1	79.6	-	100	1	0.02	14	
	87.9	-	105	1.1	81	-	109	1	0.025	16	
	87	-	105	1.1	81	-	109	1	0.025	16	
	92.1	-	117	1.5	84	-	121	1.5	0.025	15	
	92.1	-	117	1.5	84	-	121	1.5	0.025	15	
	101	-	138	2.1	87	-	148	2	0.03	13	
	101	-	138	2.1	87	-	148	2	0.03	13	
80	86.6	-	95.5	0.6	83.2	-	96.8	0.6	0.015	17	
	89.8	-	102	1	84.6	-	105	1	0.02	14	
	94.4	-	114	1.1	86	-	119	1	0.025	16	
	94.4	-	114	1.1	86	-	119	1	0.025	16	
	101	-	127	2	91	-	129	2	0.025	15	
	101	-	127	2	91	-	129	2	0.025	15	
	108	-	147	2.1	92	-	158	2	0.03	13	
	108	-	147	2.1	92	-	158	2	0.03	13	
85	93.2	-	104	1	89.6	-	105	1	0.015	17	
	99.4	-	119	1.1	92	-	123	1	0.025	16	
	99.4	-	119	1.1	92	-	123	1	0.025	16	
	106	-	134	2	94	-	141	2	0.025	15	
	106	-	134	2	94	-	141	2	0.025	15	
	115	-	155	3	99	-	166	2.5	0.03	13	

3 表格 / Tables

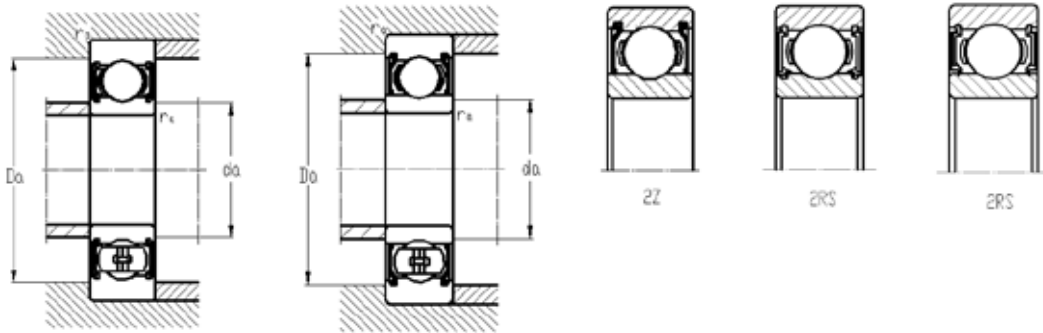
3.9 深沟球轴承 (密封) / Single Row Deep Groove Ball Bearings (sealed)



型号		尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code		Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
两侧带密封件	一侧带密封件				动态	静态	Pu	脂	
					dynamic	static			
2 Sides sealed	1 Side sealed	d	D	B	C	C ₀	kN	rpm	kg
		mm	mm	mm	kN	kN			
6317-2RS	6317-RS	85	180	41	133	91.7	3.37	2300	4.25
61818-2RS		90	115	13	18.5	20.9	0.869	3000	0.280
6018-2Z	6018-Z		140	24	57.5	47.5	1.86	4700	1.15
6018-2RS	6018-RS		140	24	57.5	47.5	1.86	2600	1.15
6218-2Z	6218-Z		160	30	96.0	69.8	2.66	4100	2.15
6218-2RS	6218-RS		160	30	96.0	69.8	2.66	2500	2.15
6318-2Z	6318-Z		190	43	143	103	3.61	3600	4.90
6318-2RS	6318-RS		190	43	143	103	3.61	2300	4.90
61819-2RS		95	120	13	18.9	21.7	0.884	2800	0.300
61919-2RS			130	18	32.1	31.8	1.36	2800	0.610
6019-2Z	6019-Z		145	24	60.5	51.3	1.98	4500	1.20
6019-2RS	6019-RS		145	24	60.5	51.3	1.98	2600	1.20
6219-2Z	6219-Z		170	32	108	77.4	2.85	3800	2.60
6219-2RS	6219-RS		170	32	108	77.4	2.85	2300	2.60
6319-2Z	6319-Z		200	45	151	112	3.94	3400	5.65
6319-2RS	6319-RS		200	45	151	112	3.94	2100	5.65
61820-2RS		100	125	13	18.9	22.8	0.903	2800	0.310
6020-2Z	6020-Z		150	24	60.5	51.3	1.94	4300	1.25
6020-2RS	6020-RS		150	24	60.5	51.3	1.94	2500	1.25
6220-2Z	6220-Z		180	34	121	88.4	3.18	3600	3.15
6220-2RS	6220-RS		180	34	121	88.4	3.18	2300	3.15
6320-2Z	6320-Z		215	47	165	133	4.51	3200	7.00
61821-2RS		105	130	13	19.8	18.6	0.950	2600	0.320
6021-2Z	6021-Z		160	26	72.3	62.2	2.28	4100	1.60
6021-2RS	6021-RS		160	26	72.3	62.2	2.28	2300	1.60
6221-2Z	6221-Z		190	36	133	98.8	3.47	3400	3.70
6221-2RS	6221-RS		190	36	133	98.8	3.47	2100	3.70
6321-2Z	6321-Z		225	49	173	145	4.85	3000	8.25

3 表格 / Tables

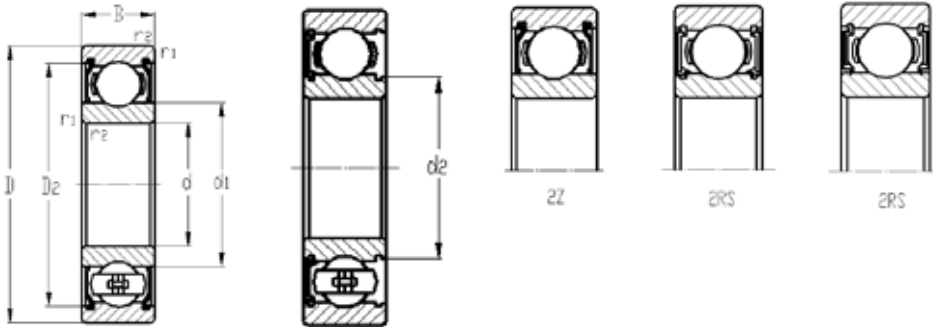
3.9 深沟球轴承（密封） / Single Row Deep Groove Ball Bearings (sealed)



	尺寸				挡肩及倒角尺寸					计算系数	
	Diameter				Shoulder & Chamfer Size					Calculation Coefficient	
				最小	最小	最大	最大	最大			
	~	~	~	min	min	max	max	max	k_r	f_0	
d	d1	d2	D2	r1,2	da	da	Da	ra	k_r	f_0	
mm	mm	mm	mm	mm	mm	mm	mm	mm			
85	115	-	155	3	99	-	166	2.5	0.03	13	
90	98.2	-	109	1	94.6	-	110	1	0.015	17	
	106	-	128	1.5	97	-	133	1.5	0.025	16	
	106	-	128	1.5	97	-	133	1.5	0.025	16	
	113	-	143	2	101	-	149	2	0.025	15	
	-	106	143	2	101	105	149	2	0.025	15	
	121	-	164	3	104	-	176	2.5	0.03	13	
	121	-	164	3	104	-	176	2.5	0.03	13	
95	103	-	114	1	99.6	-	115	1	0.015	17	
	106	-	122	1.1	101	-	124	1	0.02	17	
	111	-	133	1.5	102	-	138	1.5	0.025	16	
	110	-	133	1.5	102	-	138	1.5	0.025	16	
	118	-	151	2.1	106	-	159	2	0.025	14	
	-	112	151	2.1	106	111	159	2	0.025	14	
	128	-	172	3	109	-	186	2.5	0.03	13	
	-	121	172	3	109	120	186	2.5	0.03	13	
100	108	-	119	1	105	-	120	1	0.015	17	
	115	-	138	1.5	107	-	143	1.5	0.025	16	
	-	110	138	1.5	107	109	143	1.5	0.025	16	
	125	-	160	2.1	111	-	169	2	0.025	14	
	-	118	160	2.1	111	117	169	2	0.025	14	
	136	-	184	3	114	-	201	2.5	0.03	13	
105	-	111	124	1	110	110	125	1	0.015	13	
	123	-	147	2	116	-	149	2	0.025	16	
	-	117	147	2	116	116	149	2	0.025	16	
	131	-	167	2.1	117	-	178	2	0.025	14	
	-	125	167	2.1	117	124	178	2	0.025	14	
	141	-	193	3	119	-	211	2.5	0.03	13	

3 表格 / Tables

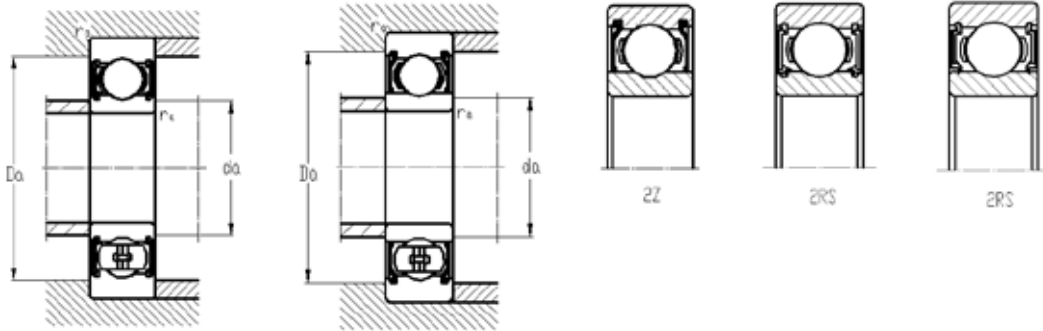
3.9 深沟球轴承 (密封) / Single Row Deep Groove Ball Bearings (sealed)



型号		尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code		Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
两侧带密封件	一侧带密封件				动态	静态	Pu	脂	
					dynamic	static			
2 Sides sealed	1 Side sealed	d	D	B	C	C ₀	kN	rpm	kg
		mm	mm	mm	kN	kN			
61822-2RS		110	140	16	26.7	24.7	1.19	2500	0.600
6022-2Z	6022-Z		170	28	80.9	69.8	2.28	3800	1.95
6022-2RS	6022-RS		170	28	80.9	69.8	2.28	2300	1.95
6222-2Z	6222-Z		200	38	143	112	3.80	3200	4.35
6322-2Z	6322-Z		240	50	193	171	5.42	2800	9.55
61824-2RS		120	150	16	27.6	26.6	1.23	2300	0.650
6024-2Z	6024-Z		180	28	84.0	76.0	2.61	3600	2.05
6024-2RS	6024-RS		180	28	84.0	76.0	2.61	2100	2.05
6224-2Z	6224-Z		215	40	139	112	3.71	3000	5.15
61826-2RS		130	165	18	35.8	40.9	1.52	2100	0.930
6026-2Z	6026-Z		200	33	106	95.0	3.18	3200	3.15
6026-2RS	6026-RS		200	33	106	95.0	3.18	1900	3.15
6226-2Z	6226-Z		230	40	148	125	3.94	2800	5.80
61828-2RS		140	175	18	37.1	44.2	1.58	1900	0.990
6028-2Z	6028-Z		210	33	105	103	3.28	3000	3.35
6028-2RS	6028-RS		210	33	105	103	3.28	1700	3.35
6030-2Z	6030-Z	150	225	35	119	119	3.71	2800	4.80
6030-2RS	6030-RS		225	35	119	119	3.71	1600	4.80
6032-2Z	6032-Z	160	240	38	136	136	4.09	2600	5.90
6032-2RS	6032-RS		240	38	136	136	4.09	1500	5.90
6003-2RS	6003-RS		35	10	6.05	3.09	0.130	12000	0.039
63003-2RS			35	14	5.75	3.09	0.130	12000	0.052
6203-2Z	6203-Z		40	12	9.45	4.51	0.190	18000	0.065
6203-2RS	6203-RS		40	12	9.45	4.51	0.190	11000	0.065
62203-2RS			40	16	9.08	4.51	0.190	11000	0.083
6303-2Z	6303-Z		47	14	13.6	6.22	0.261	16000	0.120
6303-2RS	6303-RS		47	14	13.6	6.22	0.261	10000	0.120
62303-2RS			47	19	12.8	6.22	0.261	10000	0.150

3 表格 / Tables

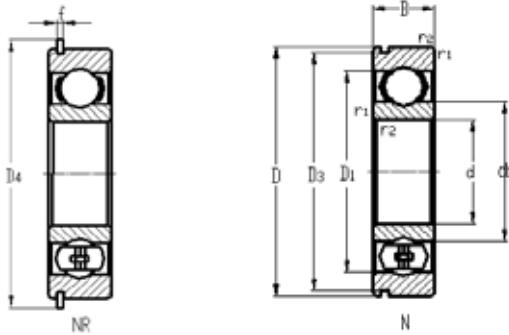
3.9 深沟球轴承（密封） / Single Row Deep Groove Ball Bearings (sealed)



	尺寸				挡肩及倒角尺寸					计算系数	
	Diameter				Shoulder & Chamfer Size					Calculation Coefficient	
				最小	最小	最大	最大	最大			
		≈	≈	≈	min	min	max	max	max		
d	d1	d2	D2	r1,2	da	da	Da	ra	k_r	f_0	
mm	mm	mm	mm	mm	mm	mm	mm	mm			
110	-	115	134	1	115	115	135	1	0.015	14	
	129	-	155	2	119	-	161	2	0.025	16	
	129	-	155	2	119	-	161	2	0.025	16	
	138	-	177	2.1	122	-	188	2	0.025	14	
	149	-	205	3	124	-	226	2.5	0.03	13	
120	-	125	144	1	125	125	145	1	0.015	13	
	139	-	165	2	129	-	171	2	0.025	16	
	-	133	165	2	129	132	171	2	0.025	16	
	151	-	189	2.1	132	-	203	2	0.025	14	
130	-	137	158	1.1	136	136	159	1	0.015	16	
	153	-	182	2	139	-	191	2	0.025	16	
	153	-	182	2	139	-	191	2	0.025	16	
	161	-	203	3	144	-	216	2.5	0.025	15	
140	-	148	167	1.1	146	147	169	1	0.015	16	
	163	-	192	2	149	-	201	2	0.025	16	
	-	156	192	2	149	155	201	2	0.025	16	
150	174	-	205	2.1	160	-	215	2	0.025	16	
	174	-	205	2.1	160	-	215	2	0.025	16	
160	186	-	219	2.1	169	-	231	2	0.025	16	
	-	179	219	2.1	169	178	231	2	0.025	16	
	-	20.7	31.4	0.3	19	20.5	33	0.3	0.025	14	
	23	-	31.4	0.3	19	-	33	0.3	0.025	14	
	24.5	-	35	0.6	21.2	-	35.8	0.6	0.025	13	
	-	22.2	35	0.6	21.2	22	35.8	0.6	0.025	13	
	24.5	-	35	0.6	21.2	-	35.8	0.6	0.025	13	
	26.5	-	39.7	1	22.6	-	41.4	1	0.03	12	
	-	24	39.7	1	22.6	23.5	41.4	1	0.03	12	
	26.5	-	39.7	1	22.6	-	41.4	1	0.03	12	

3 表格 / Tables

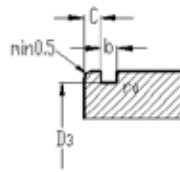
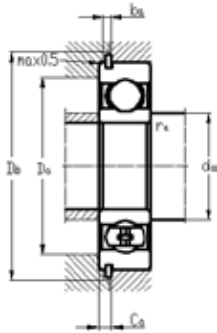
3.10 深沟球轴承 (带止动槽) / Deep Groove Ball Bearings (with Snap Ring Groove)



型号		尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code / Type		Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
轴承带止动槽	止动槽和止动环			动态	静态s		油		
				Dynamic	Static		Oil		
With Snap Ring Groove	With Snap Ring Groove & Snap Ring	d	D	B	C	C ₀	P _u		
		mm	mm	mm	kN	kN	kN	rpm	kg
6202N	6202NR	15	35	11	7.66	3.56	0.152	26000	0.045
6203N	6203NR	17	40	12	9.45	4.51	0.190	23000	0.065
6303N	6303NR		47	14	13.6	6.22	0.261	21000	0.120
6004N	6004NR	20	42	12	9.03	4.75	0.115	23000	0.069
6204N	6204NR		47	14	12.8	6.22	0.266	19000	0.110
6304N	6304NR		52	15	16.0	7.41	0.318	18000	0.140
6005N	6005NR	25	47	12	11.3	6.22	0.261	19000	0.080
6205N	6205NR		52	15	14.1	7.41	0.318	17000	0.130
6305N	6305NR		62	17	22.2	11.0	0.466	15000	0.230
6006N	6006NR	30	55	13	13.1	7.89	0.337	16000	0.120
6206N	6206NR		62	16	19.3	10.6	0.451	14000	0.200
6306N	6306NR		72	19	28.1	15.2	0.637	12000	0.350
6007N	6007NR	35	62	14	16.0	9.69	0.418	14000	0.160
6207N	6207NR		72	17	25.7	14.5	0.622	12000	0.290
6307N	6307NR		80	21	33.3	18.1	0.774	11000	0.460
6407N	6407NR		100	25	52.5	29.5	1.23	9500	0.950
6008N	6008NR	40	68	15	16.9	11.0	0.466	13000	0.190
6208N	6208NR		80	18	30.9	18.1	0.760	10000	0.370
6308N	6308NR		90	23	40.2	22.8	0.969	10000	0.630
6408N	6408NR		110	27	60.5	34.7	1.45	8500	1.25
6009N	6009NR	45	75	16	21.0	13.9	0.608	11000	0.250
6209N	6209NR		85	19	33.3	20.5	0.869	10000	0.410
6309N	6309NR		100	25	52.5	29.9	1.27	9000	0.830
6409N	6409NR		120	29	72.3	42.8	1.81	8100	1.55
6010N	6010NR	50	80	16	21.8	15.2	0.675	10000	0.260
6210N	6210NR		90	20	35.2	22.0	0.931	9500	0.460
6310N	6310NR		110	27	61.8	36.1	1.52	8100	1.05
6410N	6410NR		130	31	82.7	49.4	2.09	7100	1.90

3 表格 / Tables

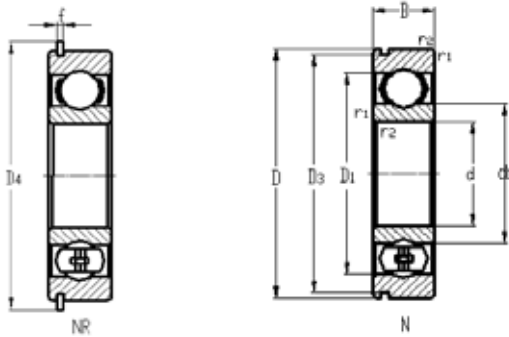
3.10 深沟球轴承 (带止动槽) / Deep Groove Ball Bearings (with Snap Ring Groove)



		尺寸								挡肩及倒角尺寸						计算系数	
		Diameter								Shoulder & Chamfer Size						Calculation Coefficient	
		≈		≈				最小	最大	最小	最大	最小	最小	最大	最大		
d	d1	D1	D3	D4	b	f	C	r1,2	r0	da	Da	Db	ba	Ca	ra	k _r	f ₀
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
15	21.7	29	33.17	39.7	1.35	1.12	2.06	0.6	0.4	19.2	30.8	41	1.5	3.18	0.6	0.025	13
17	24.5	32.7	38.1	44.6	1.35	1.12	2.06	0.6	0.4	21.2	35.8	46	1.5	3.18	0.6	0.025	13
	26.5	37.4	44.6	52.7	1.35	1.12	2.46	1	0.4	22.6	41.4	54	1.5	3.58	1	0.03	12
20	27.2	34.8	39.75	46.3	1.35	1.12	2.06	0.6	0.4	23.2	38.8	48	1.5	3.18	0.6	0.025	14
	28.8	38.5	44.6	52.7	1.35	1.12	2.46	1	0.4	25.6	41.4	54	1.5	3.58	1	0.025	13
	30.4	41.6	49.73	57.9	1.35	1.12	2.46	1.1	0.4	27	45	59	1.5	3.58	1	0.03	12
25	32	40	44.6	52.7	1.35	1.12	2.06	0.6	0.4	28.2	43.8	54	1.5	3.18	0.6	0.025	14
	34.4	44	49.73	57.9	1.35	1.12	2.46	1	0.4	30.6	46.4	59	1.5	3.58	1	0.025	14
	36.6	50.4	59.61	67.7	1.9	1.7	3.28	1.1	0.6	32	55	69	2.2	4.98	1	0.03	12
30	38.2	46.8	52.6	60.7	1.35	1.12	2.06	1	0.4	34.6	50.4	62	1.5	3.18	1	0.025	15
	40.4	51.6	59.61	67.7	1.9	1.7	3.28	1	0.6	35.6	56.4	69	2.2	4.98	1	0.025	14
	44.6	59.1	68.81	78.6	1.9	1.7	3.28	1.1	0.6	37	65	80	2.2	4.98	1	0.03	13
35	43.8	53.3	59.61	67.7	1.9	1.7	2.06	1	0.6	39.6	57.4	69	2.2	3.76	1	0.025	15
	46.9	60	68.81	78.6	1.9	1.7	3.28	1	0.6	40.6	66.4	80	2.2	4.98	1	0.025	14
	49.6	65.4	76.81	86.6	1.9	1.7	3.28	1.5	0.6	44	71	88	2.2	4.98	1.5	0.03	13
	57.4	79.5	96.8	106.5	2.7	2.46	3.28	1.5	0.6	46	89	108	3	5.74	1.5	0.035	12
40	49.3	58.8	64.82	74.6	1.9	1.7	2.49	1	0.6	44.6	63.4	76	2.2	4.19	1	0.025	15
	52.6	67.4	76.81	86.6	1.9	1.7	3.28	1.1	0.6	47	73	88	2.2	4.98	1	0.025	14
	56.1	73.8	86.79	96.5	2.7	2.46	3.28	1.5	0.6	49	81	98	3	5.74	1.5	0.03	13
	62.8	87	106.81	116.6	2.7	2.46	3.28	2	0.6	53	97	118	3	5.74	2	0.035	12
45	54.8	65.3	71.83	81.6	1.9	1.7	2.49	1	0.6	49.6	70.4	83	2.2	4.19	1	0.025	15
	57.6	72.4	81.81	91.6	1.9	1.7	3.28	1.1	0.6	52	78	93	2.2	4.98	1	0.025	14
	62.2	82.7	96.8	106.5	2.7	2.46	3.28	1.5	0.6	54	91	108	3	5.74	1.5	0.03	13
	68.9	95.8	115.21	129.7	3.1	2.82	4.06	2	0.6	58	107	131	3.5	6.88	2	0.035	12
50	59.8	70.3	76.81	86.6	1.9	1.7	2.49	1	0.6	54.6	75.4	88	2.2	4.19	1	0.025	15
	62.5	77.4	86.79	96.5	2.7	2.46	3.28	1.1	0.6	57	83	98	3	5.74	1	0.025	14
	68.8	91.1	106.81	116.6	2.7	2.46	3.28	2	0.6	61	99	118	3	5.74	2	0.03	13
	75.5	104	125.22	139.7	3.1	2.82	4.06	2.1	0.6	64	116	141	3.5	6.88	2	0.035	12

3 表格 / Tables

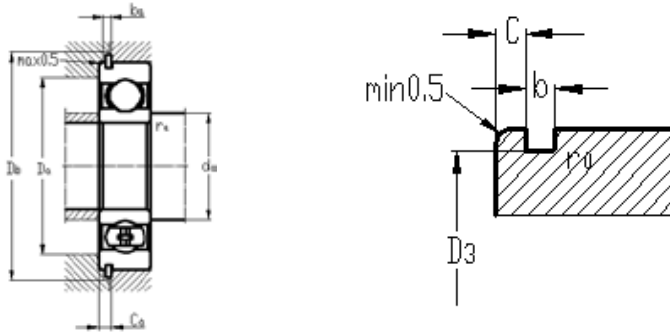
3.10 深沟球轴承 (带止动槽) / Deep Groove Ball Bearings (with Snap Ring Groove)



型号		尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code / Type		Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
轴承带止动槽	止动槽和止动环				动态	静态s		油	
					Dynamic	Static		Oil	
With Snap Ring Groove	With Snap Ring Groove & Snap Ring	d	D	B	C	C ₀	P _u		
		mm	mm	mm	kN	kN	kN	rpm	kg
6011N	6011NR	55	90	18	28.1	20.1	0.855	9500	0.390
6211N	6211NR		100	21	43.9	27.6	1.19	8500	0.610
6311N	6311NR		120	29	70.4	42.8	1.81	7600	1.35
6411N	6411NR		140	33	94.5	58.9	2.47	6600	2.30
6012N	6012NR	60	95	18	29.2	22.0	0.931	9000	0.420
6212N	6212NR		110	22	52.5	34.2	1.45	7600	0.780
6312N	6312NR		130	31	80.9	49.4	2.09	6600	1.70
6412N	6412NR		150	35	103	66.0	2.76	6000	2.75
6014N	6014NR	70	110	20	37.7	29.5	1.25	7600	0.600
6214N	6214NR		125	24	60.5	42.8	1.81	6600	1.05
6314N	6314NR		150	35	105	64.6	2.61	6000	2.50
6015N	6015NR	75	115	20	39.5	31.8	1.36	7100	0.640
6215N	6215NR		130	25	65.5	46.6	1.94	6300	1.20
6315N	6315NR		160	37	113	72.7	2.85	5300	3.00
6016N	6016NR	80	125	22	46.9	38.0	1.58	6600	0.850
6216N	6216NR		140	26	69.2	52.3	2.09	5700	1.40
6017N	6017NR	85	130	22	49.4	40.9	1.67	6300	0.890
6217N	6217NR		150	28	82.7	60.8	2.38	5300	1.80
6018N	6018NR	90	140	24	57.5	47.5	1.86	6000	1.15
6218N	6218NR		160	30	96.0	69.8	2.66	5000	2.15
6219N	6220NR	95	170	32	108.3	77.4	2.85	4700	2.60
6020N	6020NR	100	150	24	60.5	51.3	1.94	5300	1.25
6220N	6220NR		180	34	121	88.4	3.18	4500	3.15
6021N	6021NR	105	160	26	72.3	62.2	2.28	5000	1.60
6022N	6022NR	110	170	28	80.9	69.8	2.47	4700	1.95
6024N	6024NR	120	180	28	84.0	76.0	2.61	4500	2.05

3 表格 / Tables

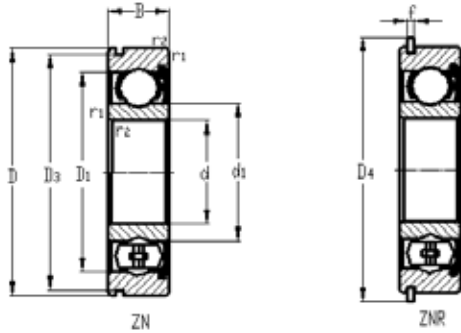
3.10 深沟球轴承 (带止动槽) / Deep Groove Ball Bearings (with Snap Ring Groove)



		尺寸								挡肩及倒角尺寸						计算系数	
		Diameter								Shoulder & Chamfer Size						Calculation Coefficient	
		≈		≈				最小	最大	最小	最大	最小	最小	最大	最大		
d	d1	D1	D3	D4	b	f	C	r1,2	r0	da	Da	Db	ba	Ca	ra	k _r	f ₀
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
55	66.3	78.7	86.79	96.5	2.7	2.46	2.87	1.1	0.6	61	84	98	3	5.33	1	0.025	15
	69.1	85.8	96.8	106.5	2.7	2.46	3.28	1.5	0.6	64	91	108	3	5.74	1.5	0.025	14
	75.3	99.5	115.21	129.7	3.1	2.82	4.06	2	0.6	66	109	131	3.5	6.88	2	0.03	13
	81.6	113	135.23	149.7	3.1	2.82	4.9	2.1	0.6	69	126	151	3.5	7.72	2	0.035	12
60	71.3	83.7	91.82	101.6	2.7	2.46	2.87	1.1	0.6	66	109	131	3.5	5.33	1	0.025	16
	75.5	94.6	106.81	116.6	2.7	2.46	3.28	1.5	0.6	69	126	151	3.5	5.74	1.5	0.025	14
	81.9	108	125.22	139.7	3.1	2.82	4.06	2.1	0.6	66	87	103	3	6.88	2	0.03	13
	88.1	122	145.24	159.7	3.1	2.82	4.9	2.1	0.6	69	101	118	3	7.72	2	0.035	12
70	82.9	97.2	106.81	116.6	2.7	2.46	2.87	1.1	0.6	76	104	118	3	5.33	1	0.025	16
	87.1	108	120.22	134.7	3.1	2.82	4.06	1.5	0.6	79	116	136	3.5	6.88	1.5	0.025	15
	95	125	145.24	159.7	3.1	2.82	4.9	2.1	0.6	82	138	162	3.5	7.72	2	0.03	13
75	87.9	102	111.81	121.6	2.7	2.46	2.87	1.1	0.6	81	109	123	3	5.33	1	0.025	16
	92.1	113	125.22	139.7	3.1	2.82	4.06	1.5	0.6	84	121	141	3.5	6.88	1.5	0.025	15
	101	133	155.22	169.7	3.1	2.82	4.9	2.1	0.6	87	148	172	3.5	7.72	2	0.03	13
80	94.4	111	120.22	134.7	3.1	2.81	2.87	1.1	0.6	86	119	136	3.5	5.69	1	0.025	16
	101	122	135.23	149.7	3.1	2.82	4.9	2	0.6	91	129	151	3.5	7.72	2	0.025	15
85	99.4	116	125.22	139.7	3.1	2.82	2.87	1.1	0.6	91	124	141	3.5	5.69	1	0.025	16
	106	130	145.24	159.7	3.1	2.82	4.9	2	0.6	96	139	162	3.5	7.72	2	0.025	15
90	106	124	135.23	149.7	3.1	2.82	3.71	1.5	0.6	97	133	151	3.5	6.53	1.5	0.025	16
	113	138	155.22	169.7	3.1	2.82	4.9	2	0.6	101	149	172	3.5	7.72	2	0.025	15
95	118	146	163.65	182.9	3.5	3.1	5.69	2.1	0.6	107	158	185	4	8.79	2	0.025	14
100	116	134	145.24	159.7	3.1	2.82	3.71	1.5	0.6	107	143	162	3.5	6.53	1.5	0.025	16
	125	155	173.66	192.9	3.5	3.1	5.69	2.1	0.6	112	168	195	4	8.79	2	0.025	14
105	123	143	155.22	169.7	3.1	2.82	3.71	2	0.6	114	151	172	3.5	6.53	2	0.025	16
110	129	151	163.65	182.9	3.5	3.1	3.71	2	0.6	119	161	185	4	6.81	2	0.025	16
120	139	161	173.66	192.9	3.5	3.1	3.71	2	0.6	129	171	195	4	6.81	2	0.025	16

3 表格 / Tables

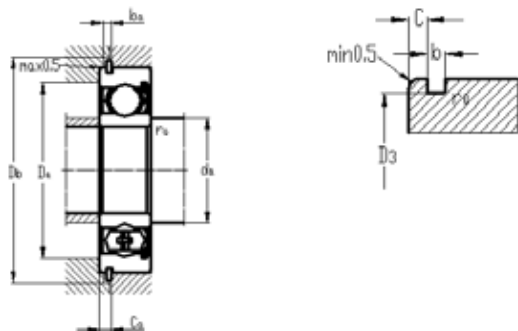
3.11 深沟球轴承（带止动槽&防尘盖） / Deep Groove Ball Bearings (with Snap Ring Groove & Shield)



型号		尺寸			基本额定负荷		疲劳负荷极限	极限转速	重量
Code		Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed	Weight
轴承带止动槽 和一侧带防 尘盖	带止动槽和止 动环二侧带防 尘盖			动态	静态s	Pu	油		
				Dynamic	Static				Oil
With Snap Ring Groove & 1 Side with Shield	With Snap Ring Groove & 2 Sides with Shield	d	D	B	C	C ₀	Pu	rpm	kg
		mm	mm	mm	kN	kN	kN		
6202-ZNR	6202-2ZNR	15	35	11	7.66	3.56	0.152	26000	0.045
6203-ZNR	6203-2ZNR	17	40	12	9.45	4.51	0.190	23000	0.065
6303-ZNR	6303-2ZNR		47	14	13.6	6.22	0.261	21000	0.120
6004-ZNR	6004-2ZNR	20	42	12	9.03	4.75	0.115	23000	0.069
6204-ZNR	6204-2ZNR		47	14	12.8	6.22	0.266	19000	0.110
6304-ZNR	6304-2ZNR		52	15	16.0	7.41	0.318	18000	0.140
6005-ZNR	6005-2ZNR	25	47	12	11.3	6.22	0.261	19000	0.080
6205-ZNR	6205-2ZNR		52	15	14.1	7.41	0.318	17000	0.130
6305-ZNR	6305-2ZNR		62	17	22.2	11.0	0.466	15000	0.230
6206-ZNR	6206-2ZNR	30	62	16	19.3	10.6	0.451	14000	0.200
6306-ZNR	6306-2ZNR		72	19	28.1	15.2	0.637	12000	0.350
6207-ZNR	6207-2ZNR	35	72	17	25.7	14.5	0.622	12000	0.290
6307-ZNR	6307-2ZNR		80	21	33.3	18.1	0.774	11000	0.460
6208-ZNR	6208-2ZNR	40	80	18	30.9	18.1	0.760	10000	0.370
6308-ZNR	6308-2ZNR		90	23	40.2	22.8	0.969	10000	0.630
6209-ZNR	6209-2ZNR	45	85	19	33.3	20.5	0.869	10000	0.410
6309-ZNR	6309-2ZNR		100	25	52.5	29.9	1.27	9000	0.830
6210-ZNR	6210-2ZNR	50	90	20	35.2	22.0	0.931	9500	0.460
6310-ZNR	6310-2ZNR		110	27	61.8	36.1	1.52	8100	1.05
6211-ZNR	6211-2ZNR	55	100	21	43.9	27.6	1.19	8500	0.610
6311-ZNR	6311-2ZNR		120	29	70.4	42.8	1.81	7600	1.35
6212-ZNR	6212-2ZNR	60	110	22	52.5	34.2	1.45	7600	0.780
6312-ZNR	6312-2ZNR		130	31	80.9	49.4	2.09	6600	1.70
6213-ZNR	6213-2ZNR	65	120	23	55.6	38.5	1.64	7100	0.990
6313-ZNR	6313-2ZNR		140	33	92.6	57.0	2.38	6300	2.10
6214-ZNR	6214-2ZNR	70	125	24	60.5	42.8	1.81	6600	1.05
6314-ZNR	6314-2ZNR		150	35	105	64.6	2.61	6000	2.50

3 表格 / Tables

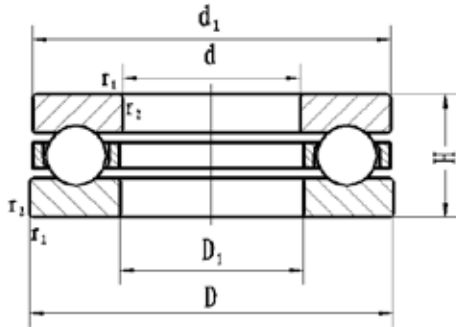
3.11 深沟球轴承（带止动槽&防尘盖） / Deep Groove Ball Bearings (with Snap Ring Groove & Shield)



		尺寸								挡肩及倒角尺寸						计算系数	
		Diameter								Shoulder & Chamfer Size						Calculation Coefficient	
		≈		≈				最小	最大	最小	最大	最小	最小	最大	最大		
		min		max				min	max	min	max	min	min	max	max		
d	d1	D1	D3	D4	b	f	C	r1,2	r0	da	Da	Db	ba	Ca	ra	k _r	f ₀
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
15	21.7	30.4	33.17	39.7	1.35	1.12	2.06	0.6	0.4	19.2	30.8	41	1.5	3.18	0.6	0.025	13
17	24.5	35	38.1	44.6	1.35	1.12	2.06	0.6	0.4	21.2	35.8	46	1.5	3.18	0.6	0.025	13
	26.5	39.7	44.6	52.7	1.35	1.12	2.46	1	0.4	22.6	41.4	54	1.5	3.58	1	0.03	12
20	27.2	37.2	39.75	46.3	1.35	1.12	2.06	0.6	0.4	23.2	38.8	48	1.5	3.18	0.6	0.025	14
	28.8	40.6	44.6	52.7	1.35	1.12	2.46	1	0.4	25.6	41.4	54	1.5	3.58	1	0.025	13
	30.4	44.8	49.73	57.9	1.35	1.12	2.46	1.1	0.4	27	45	59	1.5	3.58	1	0.03	12
25	32	42.2	44.6	52.7	1.35	1.12	2.06	0.6	0.4	28.2	43.8	54	1.5	3.18	0.6	0.025	14
	34.4	46.3	49.73	57.9	1.35	1.12	2.46	1	0.4	30.6	46.4	59	1.5	3.58	1	0.025	14
	36.6	52.7	59.61	67.7	1.9	1.7	3.28	1.1	0.6	32	55	69	2.2	4.98	1	0.03	12
30	40.4	54.1	59.61	67.7	1.9	1.7	3.28	1	0.6	35.6	56.4	69	2.2	4.98	1	0.025	14
	44.6	61.9	68.81	78.6	1.9	1.7	3.28	1.1	0.6	37	65	80	2.2	4.98	1	0.03	13
35	46.9	62.7	68.81	78.6	1.9	1.7	3.28	1	0.6	40.6	66.4	80	2.2	4.98	1	0.025	14
	49.6	69.2	76.81	86.6	1.9	1.7	3.28	1.5	0.6	44	71	88	2.2	4.98	1.5	0.03	13
	52.6	69.8	76.81	86.6	1.9	1.7	3.28	1.1	0.6	47	73	88	2.2	4.98	1	0.025	14
	56.1	77.7	86.79	96.5	2.7	2.46	3.28	1.5	0.6	49	81	98	3	5.74	1.5	0.03	13
45	57.6	75.2	81.81	91.6	1.9	1.7	3.28	1.1	0.6	52	78	93	2.2	4.98	1	0.025	14
	62.2	86.7	96.8	106.5	2.7	2.46	3.28	1.5	0.6	54	91	108	3	5.74	1.5	0.03	13
50	62.5	81.6	86.79	96.5	2.7	2.46	3.28	1.1	0.6	57	83	98	3	5.74	1	0.025	14
	68.8	95.2	106.81	116.6	2.7	2.46	3.28	2	0.6	61	99	118	3	5.74	2	0.03	13
55	69.1	89.4	96.8	106.5	2.7	2.46	3.28	1.5	0.6	64	91	108	3	5.74	1.5	0.025	14
	75.3	104	115.21	129.7	3.1	2.82	4.06	2	0.6	66	109	131	3.5	6.88	2	0.03	13
60	75.5	98	106.81	116.6	2.7	2.46	3.28	1.5	0.6	69	126	151	3.5	5.74	1.5	0.025	14
	81.9	112	125.22	139.7	3.1	2.82	4.06	2.1	0.6	66	87	103	3	6.88	2	0.03	13
65	83.3	106	115.21	129.7	3.1	2.82	4.06	1.5	0.6	74	111	131	3.5	6.88	1.5	0.025	15
	88.4	121	135.23	149.7	3.1	2.82	4.9	2.1	0.6	77	128	151	3.5	7.72	2	0.03	13
70	87.1	111	120.22	134.7	3.1	2.82	4.06	1.5	0.6	79	116	136	3.5	6.88	1.5	0.025	15
	95	130	145.24	159.7	3.1	2.82	4.9	2.1	0.6	82	138	162	3.5	7.72	2	0.03	13

3 表格 / Tables

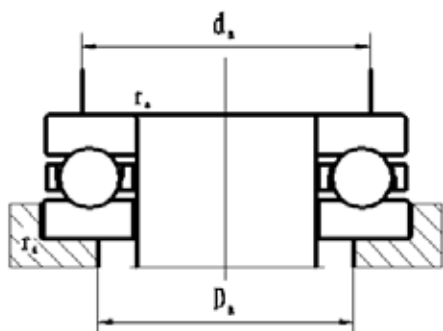
3.12 推力深沟球轴承 / Thrust Ball Bearings



型号	尺寸			基本额定负荷		疲劳负荷极限	极限转速		重量
Code	Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed		Weight
				动态	静态		油	脂	
				Dynamic	Static		Oil	Grease	
	d	D	H	C	C ₀	Pu			
	mm	mm	mm	kN	kN	kN	rpm	rpm	kg
51120	100	135	25	87	270	11.5	2340	1660	0.95
51220		150	38	129	323	13.0	1760	1270	2.16
51320		170	55	226	556	22.0	1370	930	5.35
51420		210	85	384	1039	38.0	930	680	14.70
51122	110	145	25	89	293	12.0	2150	1560	1.03
51222		160	38	135	365	14.5	1660	1170	2.35
51322		190	63	305	807	30.0	1170	830	7.59
51422		230	95	424	1196	41.5	880	610	19.60
51124	120	155	25	90	312	12.0	2150	1560	1.13
51224		170	39	146	411	15.5	1560	1070	2.60
51324		210	70	356	986	35.0	1070	780	11.09
51424		250	102	538	1695	56.5	780	590	28.90
51126	130	170	30	113	395	14.5	1850	1370	1.81
51226		190	45	193	547	19.5	1370	930	3.92
51326		225	75	374	1073	36.5	980	730	12.52
51426		270	110	538	1695	54.5	730	550	31.40
51128	140	180	31	113	409	14.5	1760	1270	2.01
51228		200	46	184	577	20.0	1370	930	4.45
51328		240	80	407	1252	41.5	930	680	15.50
51428		280	112	538	1695	53.0	680	520	33.80
51130	150	190	31	109	402	14.0	1660	1170	2.20
51230		215	50	248	748	25.0	1270	880	5.98
51330		250	80	400	1252	40.0	880	650	16.50
51430		300	120	654	2213	67.0	650	490	40.55
51132	160	200	31	114	432	14.5	1660	1170	2.30
51232		225	51	252	795	26.0	1170	830	6.42
51332		270	87	478	1584	49.0	830	610	20.80
51134	170	215	34	136	502	16.5	1560	1070	3.23

3 表格 / Tables

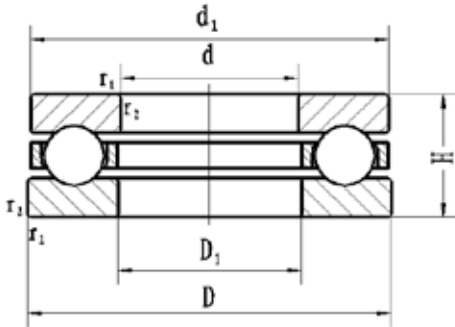
3.12 推力深沟球轴承 / Thrust Ball Bearings



	尺寸			挡肩及倒角尺寸			
	Diameter			Shoulder & Chamfer Size			
		~	~	最小	最小	最大	最大
	d	d1	D1	r1,2	da	Da	ra
	mm	mm	mm	mm	mm	mm	mm
100	135	102	1.0	121	114	1.0	
	150	103	1.1	130	120	1.0	
	169.5	103.5	1.5	142	128	1.5	
110	205	103	3.0	165	145	2.5	
	145	112	1.0	131	124	1.0	
	160	113	1.1	140	130	1.0	
	187	113	2.0	158	142	2.0	
120	225	113	3.0	181	159	2.5	
	155	122	1.0	141	134	1.0	
	170	123	1.1	150	140	1.0	
	205	123	2.1	173	157	2.0	
130	245	123	4.0	197	173	3.0	
	170	132	1.0	154	146	1.0	
	187	133	1.5	166	154	1.5	
	220	134	2.1	186	169	2.0	
140	265	134	4.0	213	187	3.0	
	178	142	1.0	164	156	1.0	
	197	143	1.5	176	164	1.5	
	235	144	2.1	199	181	2.0	
150	275	144	4.0	223	197	3.0	
	188	152	1.0	174	166	1.0	
	212	153	1.5	189	176	1.5	
	245	154	2.1	209	191	2.0	
160	295	154	4.0	239	211	3.0	
	198	162	1.0	184	176	1.0	
	222	163	1.5	199	186	1.5	
	265	164	3.0	225	205	2.5	
170	213	172	1.1	197	188	1.0	

3 表格 / Tables

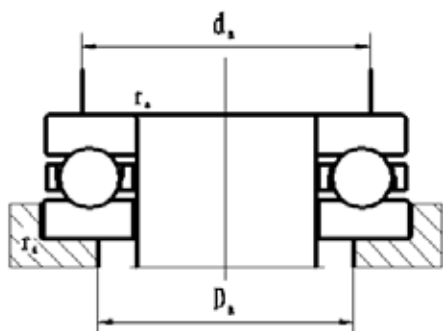
3.12 推力深沟球轴承 / Thrust Ball Bearings



型号	尺寸			基本额定负荷		疲劳负荷极限	极限转速		重量
Code	Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed		Weight
				动态	静态		油	脂	
				Dynamic	Static		Oil	Grease	
	d	D	H	C	C ₀	Pu			
	mm	mm	mm	kN	kN	kN	rpm	rpm	kg
51234	170	240	55	297	954	30.5	1070	780	7.99
51334		280	87	471	1584	48.0	780	590	22.89
51136	180	225	34	138	530	17.0	1460	980	3.43
51236		250	56	308	1010	31.5	1070	780	8.43
51336		300	95	536	1900	55.5	730	550	27.90
51138	190	240	37	175	660	20.5	1370	930	3.97
51238		270	62	345	1187	35.5	980	730	11.80
51338		320	105	610	2280	65.0	680	490	35.80
51140	200	250	37	168	657	20.0	1370	930	4.20
51240		280	62	352	1234	36.0	980	730	11.80
51340		340	110	643	2470	68.5	610	470	43.60
51144	220	270	37	177	739	21.5	1270	880	4.57
51244		300	63	367	1366	38.5	930	680	13.50
51148	240	300	45	239	967	26.5	1070	780	7.40
51248		340	78	469	1878	50.0	780	590	23.89
51348		380	112	692	2870	74.0	550	310	51.90
51152	260	320	45	243	1023	27.5	1070	780	7.94
51252		360	79	474	1967	51.0	730	550	25.60
51156	280	350	53	325	1358	35.0	930	680	11.80
51256		380	80	514	2169	54.5	730	550	26.00
51160	300	380	62	371	1637	40.5	830	610	17.20
51260		420	95	629	2805	67.0	610	470	41.20
51164	320	400	63	378	1730	41.5	780	590	18.60
51264		440	95	595	2805	65.5	590	440	44.60
51168	340	420	64	385	1823	42.5	780	590	20.10
51268		460	96	600	2940	67.0	590	440	46.30
51172	360	440	65	398	1934	44.0	730	550	21.60
51272		500	110	776	3948	86.5	520	390	68.70

3 表格 / Tables

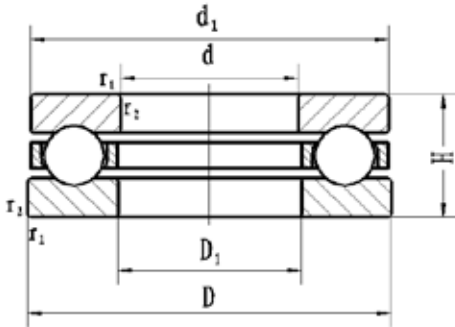
3.12 推力深沟球轴承 / Thrust Ball Bearings



	尺寸			挡肩及倒角尺寸			
	Diameter			Shoulder & Chamfer Size			
		~	~	最小	最小	最大	最大
	d	d1	D1	r1,2	da	Da	ra
	mm	mm	mm	mm	mm	mm	mm
170	237	173	1.5	212	198	1.5	
	275	175	3.0	235	215	2.5	
180	222	183	1.1	207	198	1.0	
	245	183	1.5	222	208	1.5	
	295	184	3.0	251	229	2.5	
190	237	193	1.1	220	210	1.0	
	265	194	2.0	238	222	2.0	
	315	195	4.0	267	243	3.0	
200	247	203	1.1	230	220	1.0	
	275	204	2.0	248	232	2.0	
	335	205	4.0	283	257	3.0	
220	267	223	1.1	250	240	1.0	
	297	224	2.0	268	252	2.0	
240	297	243	1.5	276	264	1.5	
	335	244	2.1	299	281	2.0	
	375	245	4.0	320	300	3.0	
260	317	263	1.5	296	284	1.5	
	355	264	2.1	319	301	2.0	
280	347	283	1.5	322	308	1.5	
	375	284	2.0	339	321	2.0	
300	376	304	2.0	348	332	2.0	
	415	304	3.0	371	349	2.5	
320	396	324	2.0	368	352	2.0	
	435	325	3.0	391	369	2.5	
340	416	344	2.0	388	372	2.0	
	455	345	3.0	411	389	2.5	
360	436	364	2.0	408	392	2.0	
	495	365	4.0	443	417	3.0	

3 表格 / Tables

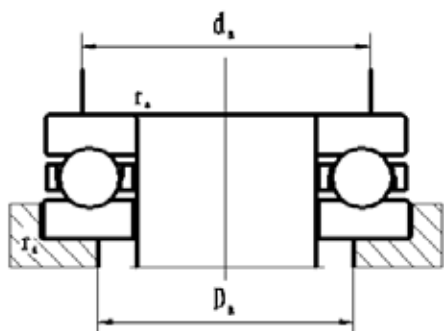
3.12 推力深沟球轴承 / Thrust Ball Bearings



型号 Code	尺寸 Dimension			基本额定负荷 Load Rating		疲劳负荷极限 Fatigue Stress Limit	极限转速 Limiting Speed		重量 Weight
	d	D	H	动态 Dynamic	静态 Static	Pu	油 Oil	脂 Grease	kg
	mm	mm	mm	kN	kN	kN	rpm	rpm	
51176	380	460	65	405	2046	45.5	730	550	22.50
51276		520	112	757	3880	83.0	490	370	71.50
51180	400	480	65	411	2120	46.0	680	520	23.50
51184	420	500	65	418	2232	47.5	680	520	25.00
51188	440	540	80	538	3023	62.0	590	440	41.20
51192	460	560	80	538	3023	61.0	590	440	42.60
51196	480	580	80	551	3302	65.0	550	420	44.60
511/500	500	600	80	564	3348	65.0	550	420	46.10
511/530	530	640	85	663	4092	77.0	520	390	57.30
511/560	560	670	85	676	4325	79.5	490	370	59.80
511/600	600	710	85	676	4464	79.5	490	370	63.70
511/630	630	750	95	743	5022	87.0	440	330	82.30
511/670	670	800	105	869	6231	104.5	390	290	103.00

3 表格 / Tables

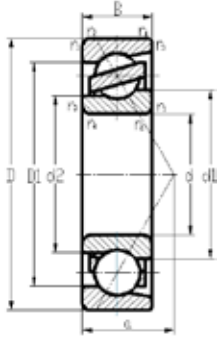
3.12 推力深沟球轴承 / Thrust Ball Bearings



	尺寸			挡肩及倒角尺寸			
	Diameter			Shoulder & Chamfer Size			
		~	~	最小	最小	最大	最大
		~	~	min	min	max	max
	d	d1	D1	r1,2	da	Da	ra
mm	mm	mm	mm	mm	mm	mm	
380	456	384	2.0	428	412	2.0	
	515	385	4.0	463	437	3.0	
400	476	404	2.0	448	432	2.0	
420	496	424	2.0	468	452	2.0	
440	536	444	2.1	499	481	2.0	
460	556	464	2.1	519	501	2.0	
480	576	484	2.1	539	521	2.0	
500	596	504	2.1	559	541	2.0	
530	636	534	3.0	595	575	2.5	
560	666	564	3.0	625	606	2.5	
600	706	604	3.0	665	645	2.5	
630	746	634	3.0	701	679	2.5	
670	795	675	4.0	747	723	3.0	

3 表格 / Tables

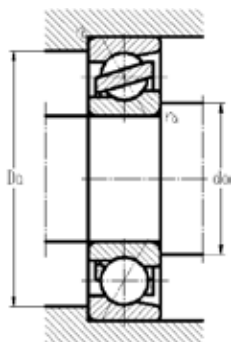
3.13 角接触球轴承 / Angular Contact Ball Bearings



型号 Code	尺寸 Dimension			基本额定负荷 Load Rating		极限转速 Limiting Speed		重量 Weight	ISO 355 尺寸系列 ISO 355 Dimension Series
	d	D	B	动态	静态	油	脂		
				Dynamic	Static	Oil	Grease		
				C	C ₀				
mm	mm	mm	kN	kN	rpm	rpm	kg		
7200B	10	30	9	6.67	3.18	29000	24000	0.030	2
7201B	12	32	10	7.23	3.61	24000	20000	0.036	2
7301B		37	12	10.1	4.75	23000	19000	0.063	3
7202B	15	35	11	8.40	4.56	23000	19000	0.045	2
7302B		42	13	12.4	6.37	19000	16000	0.081	3
7203B	17	40	12	9.88	5.23	19000	16000	0.064	2
7303C		47	14	15.8	8.28	18000	15000	0.107	3
7303AC		47	14	15.3	8.08	18000	15000	0.107	3
7303B		47	14	15.1	7.89	18000	15000	0.110	3
7204B	20	47	14	13.3	7.89	17000	14000	0.110	2
7304C		52	15	18.5	9.86	17000	14000	0.137	3
7304AC		52	15	19.2	10.7	16000	13000	0.139	3
7304B		52	15	16.5	9.03	15000	12000	0.140	3
7205C	25	52	15	16.6	10.2	15000	12000	0.122	2
7205AC		52	15	15.9	9.73	14000	12000	0.122	2
7205B		52	15	14.1	8.84	14000	12000	0.130	2
7305C		62	17	27.8	16.0	14000	12000	0.221	3
7305AC		62	17	27.0	15.6	13000	11000	0.220	3
7305B		62	17	23.0	13.3	13000	11000	0.230	3
7206C	30	62	16	23.0	14.7	13000	11000	0.189	2
7206AC		62	16	22.1	14.0	12000	10000	0.188	2
7206B		62	16	21.4	13.6	12000	10000	0.190	2
7306C		72	19	32.8	20.7	12000	10000	0.334	3
7306AC		72	19	31.4	19.7	12000	10000	0.333	3
7306B		72	19	30.9	18.3	11000	9300	0.330	3
7406AC		90	23	45.5	27.1	11000	9300	0.799	4
7007C	35	62	14	16.3	12.1	11000	9300	0.146	10
7007CE		62	14	20.3	14.6	11000	9300	0.147	10

3 表格 / Tables

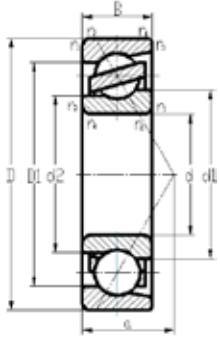
3.13 角接触球轴承 / Angular Contact Ball Bearings



	尺寸					挡肩及倒角尺寸					
	Diameter					Shoulder & Chamfer Size					
				最小	最小	最小	最大	最大	最大	最大	
		≈	≈	≈	min	min	min	max	max	max	max
	d	d1	d2	D1	r1,2	r3,4	da	Da	Db	r _a	r _b
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
10	18.3	14.6	22.9	0.6	0.3	14.2	25.8	27.6	0.6	0.3	
12	20.2	16.6	25	0.6	0.3	16.2	27.8	29.6	0.6	0.3	
		21.8	17	28.3	1	0.6	17.6	31.4	32.8	1	0.6
15	22.7	19	27.8	0.6	0.3	19.2	30.8	32.6	0.6	0.3	
		26	20.7	32.6	1	0.6	20.6	36.4	37.8	1	0.6
17	26.3	21.7	31.2	0.6	0.6	21.2	35.8	35.8	0.6	0.6	
		26.8	26.8	38.2	1	0.3	24	41	43.8	1	0.6
		26.8	26.8	38.2	1	0.3	24	41	43.8	1	0.6
		28.7	22.8	36.2	1	0.6	22.6	41.4	42.8	1	0.6
20	30.8	25.9	37	1	0.6	25.6	41.4	42.8	1	0.6	
		29.8	29.8	42.2	1.1	0.6	27	45	48	1	0.6
		29.8	29.8	42.2	1.1	0.6	27	45	48	1	0.6
		33.3	26.8	40.4	1.1	0.6	27	45	47.8	1	0.6
25	33.8	33.8	44.2	1	0.3	30	47	48.8	1	0.6	
		33.8	33.8	44.2	1	0.3	30	47	48.8	1	0.6
		36.1	30.9	41.5	1	0.6	30.6	46.4	47.8	1	0.6
		36	36	51	1.1	0.6	32	55	58	1	0.6
		36	36	51	1.1	0.6	32	55	58	1	0.6
		39.8	32.4	48.1	1.1	0.6	32	55	57.8	1	0.6
30	40.8	40.8	52.2	1	0.3	35	57	58.8	1	0.6	
		40.8	40.8	52.2	1	0.3	35	57	58.8	1	0.6
		42.7	36.1	50.1	1	0.6	35.6	56.4	57.8	1	0.6
		44.8	44.8	59.2	1.1	0.6	37	65	68	1	0.6
		44.8	44.8	59.2	1.1	0.6	37	65	68	1	0.6
		46.6	37.9	56.5	1.1	0.6	37	65	67.8	1	0.6
		50.4	50.4	69.6	1.5	0.6	37.6	82.4	86	1	0.6
35	43.8	41.7	53.2	1	0.3	41	56	58.8	1	0.6	
		43.3	40.3	53.7	1	0.3	41	56	58.8	1	0.6

3 表格 / Tables

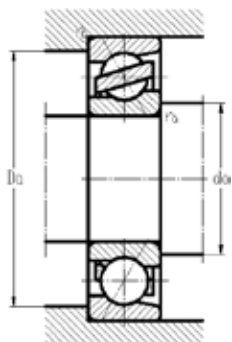
3.13 角接触球轴承 / Angular Contact Ball Bearings



型号 Code	尺寸 Dimension			基本额定负荷 Load Rating		极限转速 Limiting Speed		重量 Weight	ISO 355 尺寸系列 ISO 355 Dimension Series
	d	D	B	动态	静态	油	脂		
				Dynamic	Static	Oil	Grease		
				C	C ₀				
mm	mm	mm	kN	kN	rpm	rpm	kg		
7207C	35	72	17	23.4	17.6	10000	9000	0.279	2
7207CTA		72	17	26.7	19.3	10000	9000	0.285	2
7207CETA		72	17	27.0	20.6	10000	9000	0.283	2
7207AC		72	17	22.4	16.5	10000	9000	0.278	2
7207B		72	17	27.6	18.1	10000	9000	0.280	2
7307C		80	21	40.5	26.1	10000	9000	0.434	3
7307AC		80	21	38.8	24.9	9700	8200	0.433	3
7307B		80	21	37.1	23.3	9500	8000	0.450	3
7407AC		100	25	57.8	35.1	9300	7900	0.928	4
7208C	40	80	18	36.9	25.7	10000	8500	0.355	2
7208CTA		80	18	35.3	25.8	10000	8500	0.360	2
7208AC		80	18	35.2	24.4	9800	8300	0.354	2
7208B		80	18	32.8	22.8	9500	8000	0.370	2
7308C		90	23	49.4	32.6	9500	8000	0.602	3
7308AC		90	23	47.4	31.1	11000	9300	0.601	3
7308B		90	23	43.9	29.0	8500	7200	0.610	3
7408AC		110	27	79.2	51.2	8400	7100	1.33	4
7408B		110	27	65.8	42.2	8200	6900	1.51	4
7009AC	45	75	16	24.6	19.2	12000	10000	0.224	10
7209C		85	19	29.7	24.0	9000	7600	0.402	2
7209AC		85	19	28.3	22.5	8800	7400	1.54	2
7209B		85	19	34.0	24.7	8500	7200	0.420	2
7309C		100	25	59.2	39.9	8100	6800	0.794	3
7309AC		100	25	57.2	38.3	7900	6700	0.793	3
7309B		100	25	53.1	35.6	7600	6400	0.820	3
7409AC		120	29	87.5	55.8	7000	5900	1.47	4
7010AC	50	80	16	25.3	20.6	10000	8500	0.242	10
7210C		90	20	42.8	31.4	9000	7600	0.441	2

3 表格 / Tables

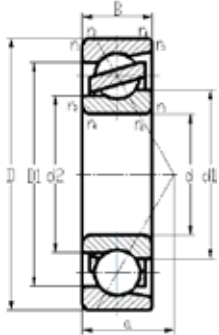
3.13 角接触球轴承 / Angular Contact Ball Bearings



	尺寸					挡肩及倒角尺寸					
	Diameter					Shoulder & Chamfer Size					
				最小	最小	最小	最大	最大	最大	最大	
		≈	≈	≈	min	min	min	max	max	max	max
	d	d1	d2	D1	r1,2	r3,4	da	Da	Db	r _a	r _b
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
35	46.9	46.9	60.2	1.1	0.6	41	66	68	1	0.6	
	48.3	44.8	59.7	1.1	0.6	41	66	68	1	0.6	
	47.7	43.6	59.3	1.1	0.6	41	66	68	1	0.6	
	46.9	46.9	60.2	1.1	0.6	41	66	68	1	0.6	
	49.7	42	58.3	1.1	0.6	42	65	67.8	1	0.6	
	50.4	50.4	66.6	1.5	0.6	40.9	72.4	76	1.5	1	
	50.4	50.4	66.6	1.5	0.6	40.9	72.4	76	1.5	1	
	52.8	43.6	63.3	1.5	1	44	71	74.4	1.5	1	
	56.8	56.8	78.8	1.5	0.6	42.6	92.4	96	1.5	1	
	40	52.8	52.8	67.2	1.1	0.6	46	74	76	1	0.6
54.3		50.3	67.8	1.1	0.6	46	74	76	1	0.6	
52.8		52.8	67.2	1.1	0.6	46	74	76	1	0.6	
56.3		48.1	65.6	1.1	0.6	47	73	75.8	1	0.6	
56.5		56.5	74.7	1.5	0.6	48.8	82.4	86	1.5	1	
56.5		56.5	74.7	1.5	0.6	48.8	82.4	86	1.5	1	
59.7		49.6	71.6	1.5	1	49	81	84.4	1.5	1	
63.9		63.9	89.1	2	0.6	49	101	105	1.5	1	
68		56.7	83.6	2	1	49	101	105	1.5	1	
45		54.2	54.2	65.9	1	0.3	51	69	71.4	1	0.6
	58.8	58.8	73.2	1.1	0.6	51	79	80.4	1	0.6	
	58.8	58.8	73.2	1.1	0.6	51	79	80.4	1	0.6	
	60.9	52.7	70.2	1.1	0.6	52	78	80.8	1	0.6	
	61.7	61.7	83.4	1.5	0.6	53.8	92.4	95.4	1.5	1	
	61.7	61.7	83.4	1.5	0.6	53.8	92.4	95.4	1.5	1	
	66.5	55.3	79.8	1.5	1	54	91	94.4	1.5	1	
	70.7	70.7	98.3	2	1	54	111	115	1.5	1	
50	59.2	59.2	70.9	1	0.3	56	74	76.4	1	0.6	
	62.4	62.4	77.7	1.1	0.6	56	84	85.4	1	0.6	

3 表格 / Tables

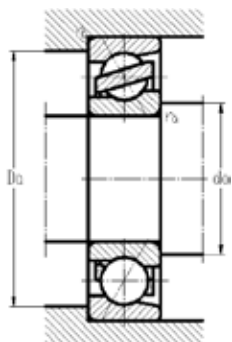
3.13 角接触球轴承 / Angular Contact Ball Bearings



型号 Code	尺寸 Dimension			基本额定负荷 Load Rating		极限转速 Limiting Speed		重量 Weight	ISO 355 尺寸系列 ISO 355 Dimension Series
	d	D	B	动态	静态	油	脂		
				Dynamic	Static	Oil	Grease		
				C	C ₀				
mm	mm	mm	kN	kN	rpm	rpm	kg		
7210AC	50	90	20	40.9	30.1	8700	7300	0.440	2
7210A		90	20	41.3	31.4	8500	7200	0.463	2
7210B		90	20	35.8	27.1	8000	6800	0.470	2
7310C		110	27	74.9	50.9	8000	6800	1.04	3
7310AC		110	27	72.0	48.8	7500	6300	1.04	3
7310B		110	27	65.5	45.1	7100	6000	1.04	3
7410AC		130	31	93.2	60.1	7000	5900	1.83	4
7410B		130	31	91.6	62.1	6800	5700	2.34	4
7011C	55	90	18	30.4	26.0	9000	7600	0.367	10
7011AC		90	18	36.0	29.3	8000	6800	0.351	10
7211C		100	21	53.0	39.8	7800	6600	0.583	2
7211AC		100	21	50.6	38.1	7500	6300	0.582	2
7211A		100	21	51.1	39.5	7300	6200	0.617	2
7211B		100	21	46.4	36.1	7100	6000	0.620	2
7311C		120	29	86.5	59.7	7000	5900	1.33	3
7311AC		120	29	83.4	58.2	6600	5600	1.33	3
7311B		120	29	75.3	52.3	6300	5300	1.34	3
7012AC	60	95	18	36.3	30.8	8000	6800	0.370	10
7212C		110	22	46.9	40.5	7000	5900	0.734	2
7212AC		110	22	44.7	38.0	6800	5700	0.731	2
7212B		110	22	54.3	43.2	6600	5600	0.780	2
7312C		130	31	98.9	69.3	5900	5000	1.66	3
7312AC		130	31	102	74.4	5500	4600	1.66	3
7312B		130	31	90.8	66.0	5700	4800	1.71	3
7412AC		150	35	131	94.7	5500	4600	3.09	4
7412B		150	35	118	85.9	5300	4500	3.46	4
7013AC	65	100	18	37.9	33.8	6700	5600	0.396	10
7213C		120	23	69.9	54.1	6300	5300	0.965	2

3 表格 / Tables

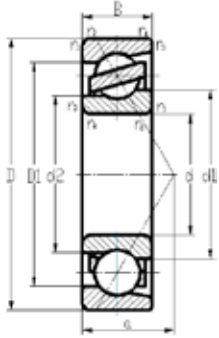
3.13 角接触球轴承 / Angular Contact Ball Bearings



	尺寸					挡肩及倒角尺寸					
	Diameter					Shoulder & Chamfer Size					
				最小	最小	最小	最大	最大	最大	最大	
		≈	≈	≈	min	min	min	max	max	max	max
	d	d1	d2	D1	r1,2	r3,4	da	Da	Db	ra	rb
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
50	62.4	62.4	77.7	1.1	0.6	56	84	85.4	1	0.6	
	63.2	57.8	77	1.1	0.6	56	84	85.4	1	0.6	
	65.8	57.7	75.2	1.1	0.6	57	83	85.8	1	0.6	
	69.1	69.1	92.1	2	1	59	101	105	2	1	
	69.1	69.1	92.1	2	1	59	101	105	2	1	
	73.8	61.1	88.8	2	1	61	99	104	2	1	
	76.2	76.2	105	2.1	1.1	61	119	124	2	1	
55	83.5	70	102.2	2.1	1.1	61	119	124	2	1	
	65.8	62.9	78.2	1.1	0.6	62	83	85.4	1.5	1	
	65.3	65.3	79.7	1.1	0.6	62	83	85.4	1.5	1	
	68.9	68.9	86.1	1.5	0.6	62.1	92.9	95.4	1.5	1	
	68.9	68.9	86.1	1.5	0.6	62.1	92.9	95.4	1.5	1	
	69.9	63.8	85.5	1.5	0.6	62.1	92.9	95.4	1.5	1	
	72.4	63.6	83.7	1.5	1	64	91	94	1.5	1	
60	73.3	73.3	101.9	2	1	64	111	114.2	2	1	
	73.3	73.3	101.9	2	1	64	111	114.2	2	1	
	80.3	66.7	96.6	2	1	66	109	114	2	1	
	71.4	71.4	85.7	1.1	0.6	67	88	90.4	1.5	1	
	76	76	94.1	1.5	0.6	67.1	102.9	105.4	1.5	1	
	76	76	94.1	1.5	0.6	67.1	102.9	105.4	1.5	1	
	79.6	69.3	91.6	1.5	1	69	101	104	1.5	1	
65	81.7	81.7	108.4	2.1	1.1	71	119	124	2	1	
	81.7	81.7	108.5	2.1	1.1	71	119	124	2	1	
	87.3	72.6	104.8	2.1	1.1	72	118	123	2	1	
	87.9	87.9	122.2	2.1	1.1	71	139	144	2	1	
	94.8	79.4	116	2.1	1.1	71	139	144	2	1	
	75.3	75.3	89.7	1.1	0.6	72	93	95.4	1.5	1	
	82.5	82.5	102.5	1.5	0.6	72.1	112.9	115.4	1.5	1	

3 表格 / Tables

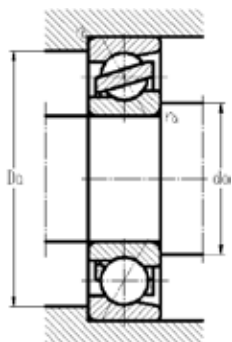
3.13 角接触球轴承 / Angular Contact Ball Bearings



型号 Code	尺寸 Dimension			基本额定负荷 Load Rating		极限转速 Limiting Speed		重量 Weight	ISO 355 尺寸系列 ISO 355 Dimension Series
	d mm	D mm	B mm	动态 Dynamic	静态 Static	油 Oil	脂 Grease		
				C	C ₀				
				kN	kN	rpm	rpm		
7213AC	65	120	23	66.5	52.5	6000	5100	0.964	2
7213B		120	23	63.0	51.3	5900	5000	1.00	2
7313C		140	33	119	86.8	5800	4900	2.10	3
7313AC		140	33	114	84.5	5500	4600	2.10	3
7313B		140	33	103	76.0	5300	4500	2.15	3
7014AC	70	110	20	43.9	39.3	6500	5500	0.557	10
7214C		125	24	56.0	49.5	6000	5100	0.995	2
7214AC		125	24	53.3	46.5	5800	4900	1.07	2
7214B		125	24	67.9	57.0	5700	4800	1.10	2
7314C		150	35	134	101	5500	4600	2.55	3
7314AC		150	35	128	96.1	5200	4400	2.55	3
7314B		150	35	113	85.5	5000	4200	2.67	3
7414AC		180	42	168	134	4900	4100	5.44	4
7414B		180	42	148	121	4700	3900	6.15	4
7015C	75	115	20	50.9	48.8	6100	5100	0.600	10
7015AC		115	20	48.7	45.8	5900	5000	0.597	10
7215C		130	25	79.2	65.8	5800	4900	1.12	2
7215AC		130	25	75.3	63.0	5500	4600	1.12	2
7215B		130	25	69.2	60.8	5300	4500	1.18	2
7315C		160	37	146	114	5000	4200	3.07	3
7315AC		160	37	140	109	4900	4100	3.06	3
7315B		160	37	119	93.1	4700	3900	3.06	3
7016AC	80	125	22	57.5	55.1	5200	4400	0.813	10
7216C		140	26	89.5	76.7	5000	4200	1.41	2
7216AC		140	26	85.2	73.5	4800	4000	1.41	2
7216B		140	26	76.6	66.0	4700	3900	1.43	2
7316AC		170	39	152	122	4400	3700	3.65	3
7316B		170	39	128	105	4200	3500	3.64	3

3 表格 / Tables

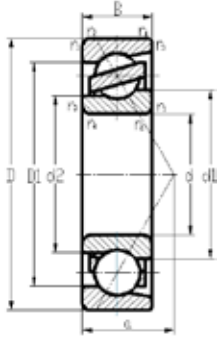
3.13 角接触球轴承 / Angular Contact Ball Bearings



	尺寸					挡肩及倒角尺寸					
	Diameter					Shoulder & Chamfer Size					
				最小	最小	最小	最大	最大	最大	最大	
		≈	≈	≈	min	min	min	max	max	max	max
	d	d1	d2	D1	r1,2	r3,4	da	Da	Db	r _a	r _b
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
65		82.5	82.5	102.5	1.5	0.6	72.1	112.9	115.4	1.5	1
		86.4	75.5	100	1.5	1	74	111	114	1.5	1
		88.1	88.1	116.9	2.1	1.1	76	129	134	2	1
		88.1	88.1	116.9	2.1	1.1	76	129	134	2	1
		94.2	78.5	112.9	2.1	1.1	77	128	133	2	1
70		82	82	98	1.1	0.6	77	103	105.4	1.5	1
		89	89	109	1.5	0.6	77.1	117.9	120.4	1.5	1
		89	89	109	1.5	0.6	77.1	117.9	121	1.5	1
		91.5	80.3	104.8	1.5	1	79	116	119	1.5	1
		92.45	92.45	127.8	2.1	1.1	81	139	144	2	1
		92.45	92.45	127.8	2.1	1.1	81	139	144	2	1
		101.1	84.4	121	2.1	1.1	82	138	143	2	1
75		105.6	105.6	146.7	3	1.1	83	167	174	2	1
		114	95.9	138.9	3	1.1	83	167	174	2	1
		88	88	104	1.1	0.6	82	108	110.4	1.5	1
		88	88	104	1.1	0.6	82	108	110.4	1.5	1
		94	94	115	1.5	0.6	82.1	122.9	125.4	1.5	1
		94	94	115	1.5	0.6	82.1	122.9	125.4	1.5	1
		96.3	85.3	110.1	1.5	1	84	121	124	1.5	1
80		99.2	99.2	136	2.1	1.1	86	149	154	2	1
		99.2	99.2	136	2.1	1.1	86	149	154	2	1
		108.3	91.1	128.7	2.1	1.1	87	148	153	2	1
		95.2	95.2	112.8	1.1	0.6	88	117	119.9	2	1
		100.05	100.05	121.9	2	1	89	131	134	2	1
		100.05	100.05	121.9	2	1	89	131	134	2	1
		103.6	91.4	117.9	2	1	91	129	134	2	1
		107.9	107.9	142.4	2.1	1.1	91	159	164	2	1
		115.2	97.1	136.8	2.1	1.1	92	158	163	2	1

3 表格 / Tables

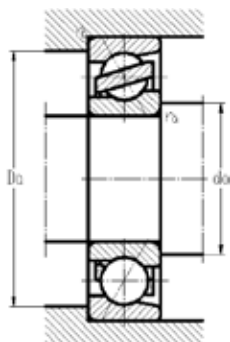
3.13 角接触球轴承 / Angular Contact Ball Bearings



型号 Code	尺寸 Dimension			基本额定负荷 Load Rating		极限转速 Limiting Speed		重量 Weight	ISO 355 尺寸系列 ISO 355 Dimension Series
	d	D	B	动态	静态	油	脂		
				Dynamic	Static	Oil	Grease		
				C	C ₀				
mm	mm	mm	kN	kN	rpm	rpm	kg		
7416AC	80	200	48	188	159	4000	3400	6.82	4
7017AC	85	130	22	61.4	59.3	5000	4200	0.986	10
7217AC		150	28	99.0	86.8	4800	4000	1.77	2
7217B		150	28	90.8	78.9	4700	3900	1.83	2
7317AC		180	41	163	136	4200	3500	4.28	3
7317B		180	41	139	106	4000	3400	4.26	3
7018AC	90	140	24	70.2	68.8	4800	4000	1.10	10
7218C		160	30	123	105	4500	3800	2.18	2
7218AC	90	160	30	117	100	4300	3600	2.17	2
7218B		160	30	103	91.7	4200	3500	2.12	2
7318C		190	43	183	158	4100	3400	5.01	3
7318AC		190	43	176	150	3900	3300	5.00	3
7318B		190	43	148	127	3800	3200	4.98	3
7418AC		225	54	223	203	3600	3000	9.61	4
7418B		225	54	203	183	3500	2900	12.2	4
7019AC	95	145	24	69.1	69.7	4300	3600	1.15	10
7219AC		170	32	135	115	4100	3400	2.63	2
7219B		170	32	118	103	4000	3400	2.68	2
7319AC		200	45	193	172	3700	3100	5.79	3
7319B		200	45	160	143	3600	3000	5.77	3
71920C	100	140	20	33.7	40.3	4700	3900	0.853	19
7020AC		150	24	78.1	77.5	4300	3600	1.38	10
7220AC		180	34	149	129	4000	3400	3.17	2
7220B		180	34	128	116	3800	3200	3.29	2
7320AC		215	47	214	199	3500	2900	7.21	3
7320B		215	47	193	181	3400	2800	7.17	3
7021C	105	160	26	79.0	84.9	4700	3900	1.60	10
7021B		160	26	71.4	73.5	4100	3400	1.87	10

3 表格 / Tables

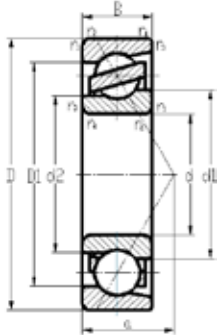
3.13 角接触球轴承 / Angular Contact Ball Bearings



	尺寸					挡肩及倒角尺寸					
	Diameter					Shoulder & Chamfer Size					
				最小	最小	最小	最大	最大	最大	最大	
		≈	≈	≈	min	min	min	max	max	max	max
	d	d ₁	d ₂	D ₁	r _{1,2}	r _{3,4}	d _a	D _a	D _b	r _a	r _b
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
80	118.1	118.1	161.9	3	1.1	93.5	186.5	193.5	2	1	
85	99.4	99.4	117.6	1.1	0.6	93	122	124.9	2	1	
	107.1	107.1	130.9	2	1	95.5	139.5	143.7	2	1	
	110.1	97	126.7	2	1	96	139	144	2	1	
	113.5	113.5	150.8	3	1.1	98.5	166.5	173.5	2.5	1	
	122.3	103	145	3	1.1	99	166	173	2.5	1	
90	108	108	126.2	1.5	0.6	98.6	131.4	134.9	2	1	
	111.7	111.7	138.4	2	1	100.5	149.5	153.7	2	1	
90	111.7	111.7	138.4	2	1	100.5	149.5	153.7	2	1	
	117.1	103	134.8	2	1	101	149	154	2	1	
	121	121	159.1	3	1.1	103.5	176.5	183.5	2.5	1	
	121	121	159.1	3	1.1	103.5	176.5	183.5	2.5	1	
	129.2	109	153.1	3	1.1	104	176	183	2.5	1	
	131.9	131.9	183.1	4	1.1	106.5	208.5	218.5	2.5	1	
	142	118.4	174.3	4	1.1	106.5	208.5	218.5	2.5	1	
95	110.2	110.2	129.8	1.5	0.6	103.6	136.4	139.9	2	1	
	118.1	118.1	146.9	2.1	1.1	106.5	158.5	163.5	2	1	
	124.3	109.1	142.5	2.1	1.1	107	158	163	2	1	
	127.1	127.1	167.9	3	1.1	108.5	186.5	193.5	2.5	1	
	136.2	114.9	161.3	3	1.1	109	186	193	2.5	1	
100	114.7	112.9	125.2	1.1	0.6	108	132	134.4	2	1	
	114.6	114.6	135.4	1.5	0.6	108.6	141.4	144.4	2	1	
	124.8	124.8	155.3	2.1	1.1	112	168	173	2	1	
	131	115.2	150.9	2.1	1.1	112	168	173	2	1	
	135.6	135.6	179.4	3	1.1	114	201	208	2.5	1	
	144.5	120.5	173.4	3	1.1	114	201	208	2.5	1	
105	123.4	119	141.5	2	1	116	149	153.2	2	1	
	126.6	116.7	139.3	2	1	116	149	153.2	2	1	

3 表格 / Tables

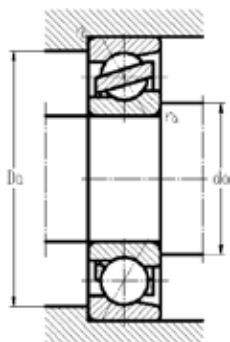
3.13 角接触球轴承 / Angular Contact Ball Bearings



型号 Code	尺寸 Dimension			基本额定负荷 Load Rating		极限转速 Limiting Speed		重量 Weight	ISO 355 尺寸系列 ISO 355 Dimension Series
	d	D	B	动态	静态	油	脂		
				Dynamic	Static	Oil	Grease		
				C	C ₀				
mm	mm	mm	kN	kN	rpm	rpm	kg		
7221AC	105	190	36	155	136	3800	3200	3.70	2
7221B		190	36	141	130	3600	3000	3.82	2
7321B		225	49	201	198	3200	2700	8.46	3
7022AC	110	170	28	99.0	101	3700	3100	2.20	10
7222AC		200	38	176	163	3500	2900	4.89	2
7222B		200	38	155	145	3400	2800	4.60	2
7322AC		240	50	239	233	3400	2800	9.57	3
7322B		240	50	214	213	3000	2500	9.69	3
7024AC	120	180	28	110	115	3900	3300	2.34	10
7224AC		215	40	189	184	3700	3100	5.32	2
7224B	120	215	40	157	155	3400	2800	5.89	2
7324AC		260	55	265	270	3300	2800	15.1	3
7324B		260	55	226	238	3000	2500	13.8	3
7026AC	130	200	33	125	137	3600	3000	3.71	10
7226AC		230	40	196	201	3400	2800	6.11	2
7226B		230	40	177	183	3200	2700	6.76	2
7326AC		280	58	292	310	2700	2200	14.9	3
7326B		280	58	281	290	2600	2200	17.1	3
7028AC	140	210	33	129	143	3000	2500	3.32	10
7228AC		250	42	222	240	2900	2400	7.91	2
7228B		250	42	189	201	2800	2300	8.63	2
7328AC		300	62	320	352	2600	2200	18.0	3
7328B		300	62	287	328	2400	2000	21.3	3
G11B1024	150	182	16	48.0	73.0	3100	2600	0.685	
7030AC		225	35	148	166	3000	2500	4.73	10
7230AC		270	45	258	288	2800	2300	11.7	2
7230B		270	45	205	228	2600	2200	10.8	2
7330AC		320	65	335	383	2300	1900	21.8	3

3 表格 / Tables

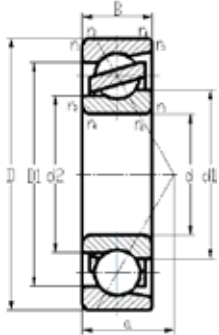
3.13 角接触球轴承 / Angular Contact Ball Bearings



	尺寸					挡肩及倒角尺寸					
	Diameter					Shoulder & Chamfer Size					
				最小	最小	最小	最大	最大	最大	最大	
		≈	≈	≈	min	min	min	max	max	max	max
	d	d ₁	d ₂	D ₁	r _{1,2}	r _{3,4}	d _a	D _a	D _b	r _a	r _b
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
105	131.3	131.3	163.7	2.1	1.1	117	178	183	2	1	
	138	121.2	159.1	2.1	1.1	117	178	183	2	1	
	151.7	127.9	181.4	3	1.1	119	211	218	2.5	1	
110	129.1	129.1	152.9	2	1	121	159	163.2	1	1	
	138.9	138.9	173.2	2.1	1.1	122	188	193	2	1	
	144.9	127.1	167.4	2.1	1.1	122	188	193	2	1	
120	150.2	150.2	199.8	3	1.1	124	226	233	2.5	1	
	160.8	135	193.5	3	1.1	124	226	233	2.5	1	
	137.6	137.6	162.4	2	1	131	169	173.2	2	1	
120	149.4	149.4	185.6	2.1	1.1	132	203	208	2	1	
	157	138.6	179.4	2.1	1.1	132	203	208	2	1	
	162.4	162.4	217.6	3	1.1	134	246	253	2.5	1	
130	178.4	153.9	211	3	1.5	134	246	253	2.5	1	
	151.6	151.6	178.4	2	1	141	189	193.2	2.5	1	
	162	162	200	3	1.1	144	216	222	2.5	1	
140	169	149.6	192.6	3	1.1	144	216	222	2.5	1	
	174.5	174.5	235.5	4	1.5	147	263	271	3	1.5	
	189.9	161.4	227.5	4	1.5	147	263	271	3	1.5	
150	161.4	161.4	188.7	2	1	151	199	203.2	2.5	1	
	175.2	175.2	214.8	3	1.1	154	236	242	2.5	1	
	183.3	163.6	209.5	3	1.1	154	236	243	2.5	1	
150	187.5	187.5	252.5	4	1.5	157	283	291	3	1.5	
	203	172.2	243	4	1.5	157	283	291	3	1.5	
	162.1	155.6	168.2	1.1	0.4	159	173	177	2.5	1	
150	173.1	173.1	202	2.1	1.1	162	213	217	2.5	1	
	188.1	188.1	231.9	3	1.1	164	256	262	2.5	1	
	197.2	175.6	226	3	1.1	164	256	263	2.5	1	
	203.6	203.6	266.5	4	1.5	167	303	311	3	1.5	

3 表格 / Tables

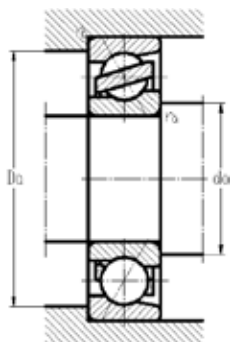
3.13 角接触球轴承 / Angular Contact Ball Bearings



型号 Code	尺寸 Dimension			基本额定负荷 Load Rating		极限转速 Limiting Speed		重量 Weight	ISO 355 尺寸系列 ISO 355 Dimension Series
	d	D	B	动态	静态	油	脂		
				Dynamic	Static	Oil	Grease		
				C	C ₀				
mm	mm	mm	kN	kN	rpm	rpm	kg		
7330B	150	320	65	315	371	2200	1800	25.0	3
71932A	160	220	28	103	129	3000	2500	2.87	19
7032AC		240	38	167	190	2800	2300	5.83	10
7232AC		290	48	267	312	2600	2200	12.5	2
7232B		290	48	242	285	2400	2000	13.6	2
7332AC		340	68	375	459	2500	2100	26.7	3
7332B		340	68	331	407	2200	1800	32.8	3
7034AC	170	260	42	203	233	2500	2100	7.55	10
7234AC		310	52	281	344	2400	2000	18.0	2
7234B		310	52	267	328	2200	1800	16.7	2
7334AC		360	72	401	506	2300	1900	34.7	3
7334B		360	72	371	466	2000	1700	34.6	3
7036AC	180	280	46	215	262	2600	2200	8.85	10
7236AC		320	52	317	399	2400	2000	18.7	2
7236B		320	52	276	356	2200	1800	17.6	2
7336AC		380	75	440	556	2300	1900	39.0	3
7336B		380	75	390	513	1900	1600	40.0	3
71838AC	190	240	24	85.9	118	2500	2100	2.60	18
7238AC		340	55	338	435	2200	1800	19.0	2
7238B		340	55	292	385	2000	1700	21.9	2
7338B		400	78	420	570	1800	1500	48.3	3
AC200250	200	250	24	103	142	2500	2100	2.09	
71940A		280	38	175	226	2400	2000	6.16	19
7240AC		360	58	349	469	2000	1700	23.2	2
7240B		360	58	309	409	1900	1600	25.0	2
7340B		420	80	439	622	1700	1400	52.8	3
AC215300	215	300	36	221	291	2200	1800	6.08	
AC220276	220	276	26	115	164	2000	1700	2.84	

3 表格 / Tables

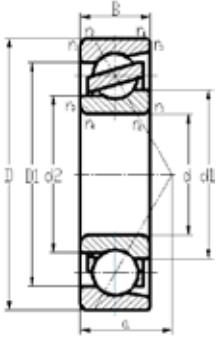
3.13 角接触球轴承 / Angular Contact Ball Bearings



	尺寸					挡肩及倒角尺寸					
	Diameter					Shoulder & Chamfer Size					
				最小	最小	最小	最大	最大	最大	最大	
		≈	≈	≈	min	min	min	max	max	max	max
	d	d1	d2	D1	r1,2	r3,4	da	Da	Db	ra	rb
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
150	216.1	183.9	258.7	4	1.5	167	303	311	3	1.5	
160	185.2	173.5	195	2.1	1	171	208	213.2	2.5	1	
	184.5	184.5	215.5	2.1	1.1	172	228	232	2.5	1	
	201.3	201.3	248.7	3	1.1	174	276	281	2.5	1	
	211	187.6	242.3	3	1.1	174	276	283	2.5	1	
	218.9	218.9	287.1	4	1.5	177	323	331	2.5	1	
	233.2	203.3	274.3	4	1.5	177	323	331	2.5	1	
170	197.5	197.5	232.6	2.1	1.1	182	248	252	3	1.5	
	217.1	217.1	262.9	4	1.5	187	293	301	3	1.5	
	227.4	202	261	4	1.5	187	293	301	3	1.5	
	234.2	234.2	305.8	4	1.5	187	343	351	3	1.5	
	243.8	207.9	292	4	2	187	343	351	3	1.5	
180	211.4	211.4	248.6	2.1	1.1	192	268	272	3	1.5	
	225.9	225.9	279.5	4	1.5	197	303	311	3	1.5	
	234.9	209.6	268.8	4	1.5	197	303	311	3	1.5	
	238.7	238.7	321.3	4	1.5	197	363	371	3	2	
	257.7	219.8	308	4	2	197	363	369	3	2	
190	205.9	205.9	224.1	1.5	1	200	230	233.2	3	1.5	
	239	239	296.8	4	1.5	207	323	331	3	1.5	
	250.4	224.1	285.4	4	1.5	207	323	331	3	1.5	
	271.6	231.8	324.3	5	2	210	380	389	4	2	
200	216.57	209.3	230.8	2.1	1	212	238	244.2	3	1.5	
	228	217.3	252	2.1	1	211	268	273.2	3	1.5	
	253.3	253.3	306.7	4	1.5	217	343	351	3	1.5	
	263.3	235.1	300.8	4	1.5	217	343	351	3	1.5	
	287	247	339.5	5	2	220	400	409	4	2	
215	252	230.2	265.5	2.3	1	226.8	288.2	293.2	3	1.5	
220	243.6	231.6	253	2	1	231	265	269.2	3	1.5	

3 表格 / Tables

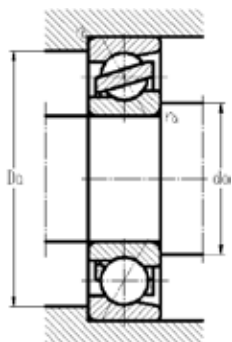
3.13 角接触球轴承 / Angular Contact Ball Bearings



型号 Code	尺寸 Dimension			基本额定负荷 Load Rating		极限转速 Limiting Speed		重量 Weight	ISO 355 尺寸系列 ISO 355 Dimension Series
	d	D	B	动态	静态	油	脂		
				Dynamic	Static	Oil	Grease		
				C	C ₀				
mm	mm	mm	kN	kN	rpm	rpm	kg		
AC220300		300	35	205	270	2000	1700	5.55	
7244AC		400	65	439	615	1900	1600	35.0	2
7244B		400	65	371	532	1700	1400	35.2	2
BA222-2	222	273	26	106	153	2300	1900	2.25	
AC230310	230	310	38	214	290	2100	1700	5.93	
BA240-4	240	310	33	171	241	1900	1600	4.70	
7248AC		440	72	519	768	1800	1500	46.7	2
7248B		440	72	346	513	1600	1300	49.0	2
AC250330	250	330	38	204	281	1500	1200	6.03	
AC250360		360	44	319	467	1400	1100	11.4	
AC260340	260	340	38	211	298	1400	1100	6.92	
671B1021	289	355	33	182	279	1400	1100	5.10	
HS05383	320	383	30	132	220	1200	1000	5.24	

3 表格 / Tables

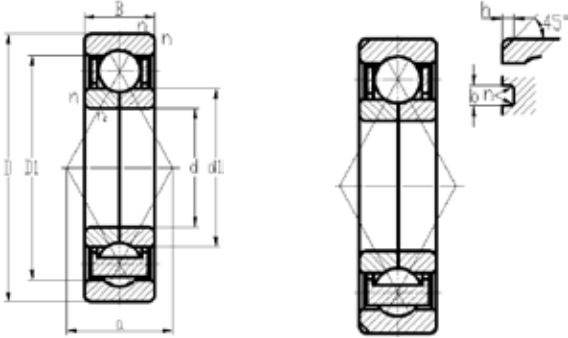
3.13 角接触球轴承 / Angular Contact Ball Bearings



尺寸						挡肩及倒角尺寸				
Diameter						Shoulder & Chamfer Size				
				最小	最小	最小	最大	最大	最大	最大
	≈	≈	≈	min	min	min	max	max	max	max
d	d1	d2	D1	r1,2	r3,4	da	Da	Db	r_a	r_b
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
	251.7	234.3	268.3	2.9	1	230.6	289.4	293.2	3	1.5
	279.5	279.5	340.5	4	1.5	237	383	391	3	1.5
	291.1	259.1	333.4	4	1.5	237	383	391	3	1.5
222	243	231.9	253	2	1	233.6	261.4	266.7	3	1.5
230	262.84	244.4	279.39	2.1	1	242	298	303.2	3	1.5
240	265	254	285	2.1	1	252	298	303.2	3	1.5
	305.7	305.7	374.4	4	1.5	257	423	431	3	1.5
	322	292	361	4	1.5	257	423	431	3	1.5
250	280	266.9	300	2	1	261.6	318.4	323.2	3	1.5
	291.7	268.5	320.2	2	1	261.6	348.4	353.2	3	1.5
260	293.26	276	308.84	2.2	1.1	271.6	328.4	333.2	3	1.5
289	316.2	301.2	329	2	1	300.6	343.4	348.2	3	1.5
320	344.7	334	359.3	2.1	1	329.8	373.2	376.2	3	1.5

3 表格 / Tables

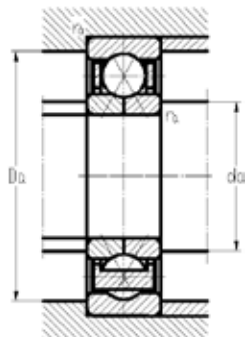
3.14 四点接触球轴承 / Four Point Contact Ball Bearings



型号		尺寸			基本额定负荷		极限转速		重量	ISO 355 尺寸系列
Code		Dimension			Load Rating		Limiting Speed		Weight	ISO 355 尺寸系列
带定位槽	无定位槽	d	D	B	动态	静态	油	脂		ISO 355 尺寸系列
					Dynamic	Static	Oil	Grease		
with Locating Slot	without Locating Slot	mm	mm	mm	C	C ₀	rpm	rpm	kg	
		15	35	11	12.1	7.89	34000	29000	0.062	2
		17	40	12	15.1	10.1	28000	24000	0.082	2
			47	14	22.2	14.3	26000	22000	0.140	3
	QJ304MA	20	52	15	28.1	19.0	22000	19000	0.180	3
	QJ205MA	25	52	15	23.8	19.0	20000	17000	0.160	2
	QJ305MA		62	17	37.1	26.6	19000	16000	0.276	3
	QJ206MA	30	62	16	33.3	27.1	18000	15000	0.240	2
	QJ306MA		72	19	46.9	36.1	16000	14000	0.420	3
	QJ207MA	35	72	17	43.9	37.1	16000	14000	0.360	2
	QJ307MA		80	21	56.2	44.2	14000	12000	0.570	3
	QJF307MB		80	21	59.0	46.5	14000	12000	0.551	3
	QJ208MA	40	80	18	50.1	42.8	14000	12000	0.450	2
	QJ308MA		90	23	67.9	55.6	13000	11000	0.780	3
	QJ209MA	45	85	19	55.6	48.5	13000	11000	0.520	2
	QJ309MA		100	25	88.9	72.7	11000	9300	1.05	3
	QJ210MA	50	90	20	58.7	53.2	12000	10000	0.590	2
	QJ310MA		110	27	105	86.9	10000	8500	1.35	3
	QJ211MA	55	100	21	75.3	72.7	10000	8500	0.770	2
	QJ311MA		120	29	121	103	9500	8000	1.75	3
	QJ212MA	60	110	22	87.7	82.2	9500	8000	0.990	2
	QJ312MA		130	31	139	119	8500	7200	2.15	3
	QJ213MA	65	120	23	98.8	98.8	9000	7600	1.20	2
	QJ313MA		140	33	157	139	8000	6800	2.70	3
	QJ1014MA	70	110	20	65.6	71.7	9000	7600	0.683	10
	QJ214MA		125	24	108	108	8500	7200	1.32	2
	QJ314MA		150	35	177	158	7600	6400	3.15	3
	QJ215MA	75	130	25	111	116	8000	6800	1.45	2
	QJ315MA		160	37	189	177	7100	6000	3.90	3

3 表格 / Tables

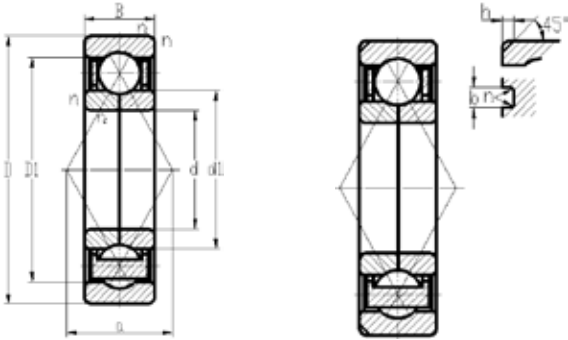
3.14 四点接触球轴承 / Four Point Contact Ball Bearings



	尺寸				定位槽尺寸			挡肩及倒角尺寸		
	Diameter				Locating Slot Size			Shoulder & Chamfer Size		
				最小				最小	最大	最大
		~	~	min				min	max	max
	d	d1	D1	r1,2	b	h	ro	da	Da	ra
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
15	22	28.1	0.6	3	2.2	0.5	19.2	30.8	0.6	
17	25.7	32.5	0.6	3.5	2.5	0.5	21.2	35.8	0.6	
	27.7	36.3	1	4.5	3.5	0.5	22.6	41.4	1	
20	31.2	40.8	1.1	4.5	3.5	0.5	27	45	1	
25	35	43	1	4.5	3	0.5	30.6	46.4	1	
	38	49	1.1	4.5	3.5	0.5	32	55	1	
30	41.2	50.8	1	4.5	3.5	0.5	35.6	56.4	1	
	45.8	58.2	1.1	4.5	3.5	0.5	37	65	1	
35	47.9	59	1.1	4.5	3.5	0.5	42	65	1	
	50.7	64.3	1.5	5.5	4	0.5	44	71	1.5	
	50.4	64.9	1.5	-	-	-	42.6	72.4	1.5	
40	54	66	1.1	5.5	4	0.5	47	73	1	
	57.5	72.5	1.5	5.5	4	0.5	49	81	1.5	
45	58.5	72	1.1	-	-	-	52	78	1	
	63.8	81.2	1.5	6.5	5	0.5	54	91	1.5	
50	63.5	76.5	1.1	5.5	4	0.5	57	83	1	
	70	90	2	-	-	-	61	99	2	
55	70.3	84.7	1.5	6.5	5	0.5	64	91	1.5	
	77.2	97.8	2	6.5	8.1	0.5	66	109	2	
60	77	93	1.5	6.5	5	0.5	69	101	1.5	
	84	106	2.1	6.5	8.1	0.5	72	118	2	
65	84.5	101	1.5	6.5	6.5	0.5	74	111	1.5	
	90	115	2.1	-	-	-	77	128	2	
70	83.6	96.7	1.1	-	-	-	77	103	1.5	
	89	106	1.5	6.5	6.5	0.5	79	116	1.5	
	97.3	123	2.1	8.5	10.1	2	82	138	2	
75	93.8	112	1.5	6.5	6.5	0.5	84	121	1.5	
	104	131	2.1	8.5	10.1	2	87	148	2	

3 表格 / Tables

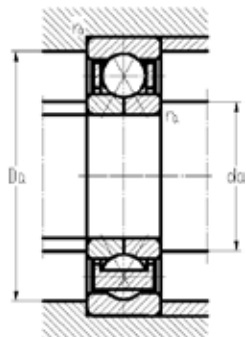
3.14 四点接触球轴承 / Four Point Contact Ball Bearings



型号		尺寸			基本额定负荷		极限转速		重量	ISO 355 尺寸系列
Code		Dimension			Load Rating		Limiting Speed		Weight	
带定位槽	无定位槽	d	D	B	动态	静态	油	脂		ISO 355 Dimension Series
					Dynamic	Static	Oil	Grease		
with Locating Slot	without Locating Slot	mm	mm	mm	C	C ₀	rpm	rpm	kg	
QJ216N2MA	QJ216MA	80	140	26	131	139	7600	6400	1.85	2
QJ316N2MA			170	39	205	198	6600	5600	4.60	3
QJ217N2MA	QJ217MA	85	150	28	141	152	7100	6000	2.25	2
QJ317N2MA			180	41	222	224	6300	5300	5.45	3
QJ218N2MA		90	160	30	165	177	6600	5600	2.75	2
QJ318N2MA	QJ318MA		190	43	252	271	5900	5000	6.45	3
QJ219N2MA		95	170	32	189	201	6300	5300	3.35	2
QJ319N2MA			200	45	272	299	5700	4800	7.45	3
QJ220N2MA		100	180	34	214	228	5900	5000	4.05	2
QJ320N2MA			215	47	292	320	5300	4500	9.30	3
QJ222N2MA		110	200	38	252	290	5300	4500	5.60	2
QJ322N2MA	QJ322MA		240	50	370	451	4500	3800	12.5	3
QJ224N2MA		120	215	40	272	320	4700	3900	6.95	2
QJ324N2MA			260	55	371	466	4200	3500	16.0	3
	QJF1026MB	130	200	33	175	228	5000	4200	4.03	10
QJ226N2MA			230	40	281	347	4500	3800	7.75	2
QJ326N2MA	QJ326MA		280	58	402	532	3800	3200	19.5	3
	QJF1028MB	140	210	33	179	241	4300	3600	4.24	10
QJ228N2MA			250	42	309	418	4000	3400	9.85	2
QJ328N2MA	QJ328MA		300	62	445	608	3600	3000	24.0	3
	QJF1030MB	150	225	35	228	302	4000	3400	5.12	10
QJ230N2MA			270	45	358	504	3800	3200	12.5	2
QJ330N2MA	QJ330MA		320	65	469	675	3400	2800	29.0	3
	QJF1032MB	160	240	38	236	325	3900	3300	6.94	10
QJ232N2MA			290	48	402	589	3600	3000	15.5	2
QJ332N2MA			340	68	513	774	3200	2700	34.5	3
	QJF1034MBX1	170	259.5	42	294	410	3500	2900	8.34	10
	QJF1034MB		260	42	294	410	3500	2900	8.40	10

3 表格 / Tables

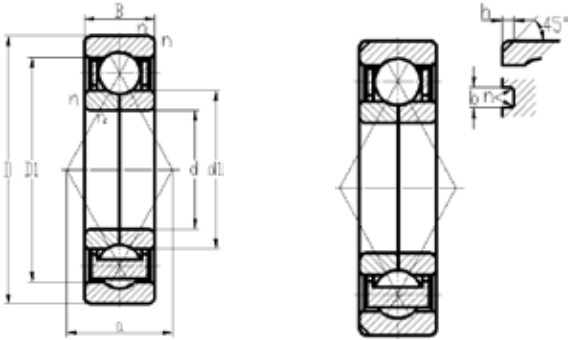
3.14 四点接触球轴承 / Four Point Contact Ball Bearings



	尺寸				定位槽尺寸			挡肩及倒角尺寸		
	Diameter				Locating Slot Size			Shoulder & Chamfer Size		
				最小				最小	最大	最大
		≈	≈	min				min	max	max
	d	d1	D1	r1,2	b	h	ro	da	Da	ra
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
80	100	120	2	6.5	8.1	1	91	129	2	
	111	139	2.1	8.5	10.1	2	92	158	2	
85	108	128	2	6.5	8.1	1	96	139	2	
	117	148	3	10.5	11.7	2	99	166	2.5	
90	114	136	2	6.5	8.1	1	101	149	2	
	124	156	3	10.5	11.7	2	104	176	2.5	
95	120	145	2.1	6.5	8.1	1	107	158	2	
	131	165	3	10.5	11.7	2	109	186	2.5	
100	127	153	2.1	8.5	10.1	2	112	168	2	
	139	176	3	10.5	11.7	2	114	201	2.5	
110	141	169	2.1	8.5	10.1	2	122	188	2	
	154	196	3	10.5	11.7	2	124	226	2.5	
120	152	183	2.1	10.5	11.7	2	132	203	2	
	169	211	3	10.5	11.7	2	134	246	2.5	
130	154.1	176.4	2	-	-	-	140	190	2.5	
	165	195	3	10.5	11.7	2	144	216	2.5	
	182	227	4	10.5	12.7	2	147	263	3	
140	164.1	186.4	2.1	-	-	-	152	198	2.5	
	179	211	3	10.5	11.7	2	154	236	2.5	
	196	244	4	10.5	12.7	2	157	283	3	
150	174.9	200.6	2.1	-	-	-	162	213	2.5	
	194	226	3	10.5	11.7	2	164	256	2.5	
	211	259	4	10.5	12.7	2	167	303	3	
160	187.3	213.2	2.1	-	-	-	172	228	2.5	
	206	243	3	10.5	12.7	2	174	276	2.5	
	224	276	4	10.5	12.7	2	177	323	3	
170	199.9	230.7	2.1	-	-	-	182	247.5	3	
	199.9	230.7	2.1	-	-	-	182	248	3	

3 表格 / Tables

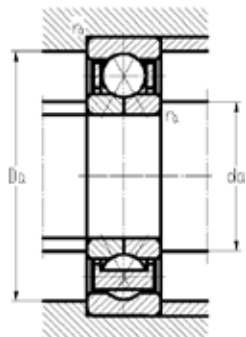
3.14 四点接触球轴承 / Four Point Contact Ball Bearings



型号		尺寸			基本额定负荷		极限转速		重量	ISO 355 尺寸系列
Code		Dimension			Load Rating		Limiting Speed		Weight	
带定位槽	无定位槽	d	D	B	动态	静态	油	脂	kg	ISO 355 Dimension Series
					Dynamic	Static	Oil	Grease		
with Locating Slot	without Locating Slot	mm	mm	mm	C	C ₀	rpm	rpm		
		170	310	52	414	637	3200	2700	19.5	2
			360	72	587	917	3000	2500	41.5	3
	QJF3936MBX1	180	259.5	52	267	383	3700	3100	9.17	
	QJF1036MB		280	46	310	459	3500	2900	11.4	10
		180	320	52	427	675	3200	2700	20.5	2
			380	75	605	969	2800	2300	47.5	3
	QJF1038MBX1	190	289.5	46	317	483	3000	2500	11.8	10
	QJF1038MB		290	46	317	483	3000	2500	11.8	10
	QJ238N2MA		340	55	678	938	2800	2300	23.6	2
	QJ338N2MA		400	78	667	1100	2600	2200	49.0	3
	QJ1040N2MA	200	310	51	364	560	3000	2500	15.1	10
	QJF1040MB		310	51	364	560	3000	2500	14.8	10
			360	58	513	869	2800	2300	28.5	2
	QJF3944MB	220	300	60	288	448	2600	2200	12.4	
	QJF1044MB		340	56	382	628	2500	2100	22.4	10
	QJ244N2MA		400	65	633	1120	2300	1900	42.3	2
	QJ344MA		460	88	1151	1848	2200	1800	79.7	3
	QJF3948MBX1	240	340	60	352	587	2000	1700	17.7	

3 表格 / Tables

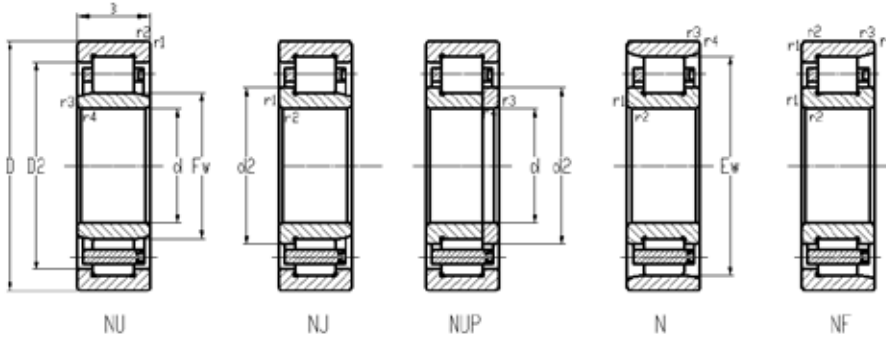
3.14 四点接触球轴承 / Four Point Contact Ball Bearings



	尺寸				定位槽尺寸			挡肩及倒角尺寸		
	Diameter				Locating Slot Size			Shoulder & Chamfer Size		
				最小				最小	最大	最大
		≈	≈	min				min	max	max
	d	d1	D1	r1,2	b	h	ro	da	Da	ra
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
170	221	258	4	10.5	12.7	2	187	293	3	
	237	293	4	10.5	12.7	2	187	343	3	
180	206.5	234	3.7	-	-	-	196.6	242.9	3	
	214.9	245.7	2.1	-	-	-	192	268	3	
180	231	269	4	10.5	12.7	2	197	303	3	
	252	309	4	10.5	12.7	2	197	363	3	
190	224.9	255.7	2.1	-	-	-	202	277.5	4	
	224.9	255.7	2.1	-	-	-	202	278	4	
	239.8	291.1	4	10.5	12.7	2	207	323	4	
200	263	326	5	10.5	12.7	2	210	380	4	
	237.3	273.3	2.1	10.5	12.7	2	212	298	3	
	237.3	273.3	2.1	-	-	-	212	298	3	
	258	302	4	10.5	12.7	2	217	363	3	
220	246.5	274	3	-	-	-	234	286	3	
	262.3	298.3	3	-	-	-	234	326	3	
	283.1	337.9	4	10.5	12.7	2	237	383	3	
	299.7	381.8	5	-	-	-	240	440	3	
240	274	306.6	4	-	-	-	254	326	3	

3 表格 / Tables

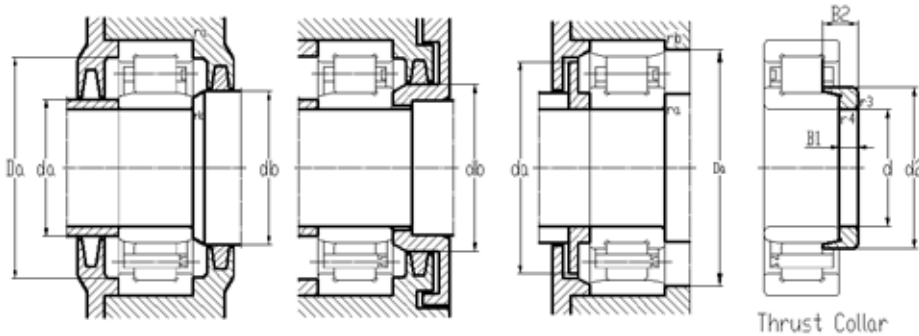
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
标准保持架 with Standard Cage	其它保持架 with other Cage	d	D	B	动态	静态	油	脂	标准保持架
					Dynamic	Static	Oil	Grease	with Standard Cage
		mm	mm	mm	kN	kN	rpm	rpm	kg
NU 202 EM	E	15	35	11	11.9	9.69	21000	17000	0.0490
NJ 202 EM	E		35	11	11.9	9.69	21000	17000	0.0551
NUP 202 EM	E		35	11	11.9	9.69	21000	17000	0.0580
N 202 EM	E		35	11	11.9	9.69	21000	17000	0.0450
NF 202 EM	E		35	11	11.9	9.69	21000	17000	0.0480
NU 203 EM	E	17	40	12	16.3	13.6	18000	16000	0.0680
NJ 203 EM	E		40	12	16.3	13.6	18000	16000	0.0700
NUP 203 EM	E		40	12	16.3	13.6	18000	16000	0.0730
N 203 EM	E		40	12	16.3	13.6	18000	16000	0.0660
NF 203 EM	E		40	12	16.3	13.6	18000	16000	0.0690
NU 2203 EM	-		40	16	22.6	20.5	18000	16000	0.0920
NJ 2203 EM	-		40	16	22.6	20.5	18000	16000	0.0950
NUP 2203 EM	-		40	16	22.6	20.5	18000	16000	0.0970
NU 303 EM	E, ETN		47	14	23.4	19.4	14000	12000	0.136
NJ 303 EM	E, ETN		47	14	23.4	19.4	14000	12000	0.142
NUP 303 EM	E, ETN		47	14	23.4	19.4	14000	12000	0.148
N 303 EM	E, ETN		47	14	23.4	19.4	14000	12000	0.134
NU 204 EM	E, ETN	20	47	14	23.8	23.9	15000	13000	0.132
NJ 204 EM	E, ETN		47	14	23.8	23.9	15000	13000	0.138
NUP 204 EM	E, ETN		47	14	23.8	23.9	15000	13000	0.145
N 204 EM	E, ETN		47	14	23.8	23.9	15000	13000	0.129
NU 2204 EM	-		47	18	28.2	26.1	15000	13000	0.163
NJ 2204 EM	-		47	18	28.2	26.1	15000	13000	0.690
NU 304 EM	E, ETN		52	15	33.7	24.7	14000	12000	0.226
NJ 304 EM	E, ETN		52	15	33.7	24.7	14000	12000	0.231
NUP 304 EM	E, ETN		52	15	33.7	24.7	14000	12000	0.237
N 304 EM	E, ETN		52	15	33.7	24.7	14000	12000	0.221
NU 2304 EM	-		52	21	45.1	36.1	13000	11000	0.247

3 表格 / Tables

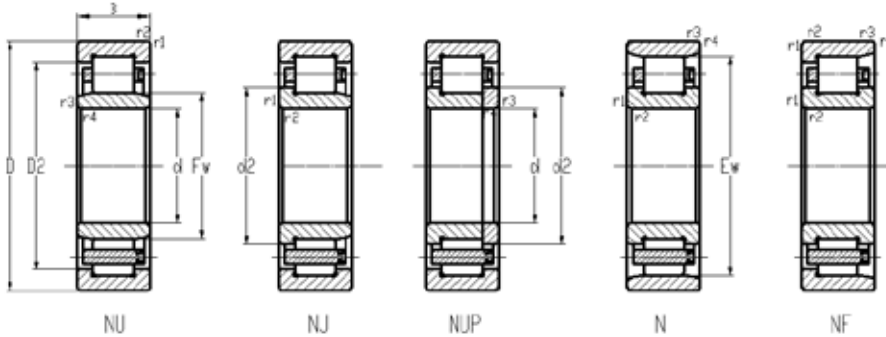
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



尺寸				挡肩及倒角尺寸								计算系数	斜挡圈		
Diameter				Shoulder & Chamfer Size								Calculation Coefficient	Thrust Collar		
				最小	最小	最小	最大	最小	最大	最大	最大		型号	重量	尺寸
	≈	≈	Ew (Fw)	r1,2	r3,4	da	da	db, Da	Da	ra	rb	k _r	Type	Weight	Size
d	d2	D2		mm	mm	mm	mm	mm	mm	mm	mm			kg	mm
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				mm
15	-	27.9	19.3	0.6	0.3	17.4	18.5	21	30.8	0.6	0.3	0.15	-	-	-
	21.9	27.9	19.3	0.6	0.3	18.5	18.5	23	30.8	0.6	0.3	0.15	-	-	-
	21.9	27.9	19.3	0.6	0.3	-	18.5	23	30.8	0.6	0.3	0.15	-	-	-
	21.9	-	30.3	0.6	0.3	18.5	18.5	30.8	30.8	0.6	0.3	0.15	-	-	-
	21.9	27.9	30.3	0.6	0.3	18.5	21	23	30.8	0.6	0.3	0.15	-	-	-
17	-	32.4	22.1	0.6	0.3	19.4	21	24	35.8	0.6	0.3	0.15	-	-	-
	25	32.4	22.1	0.6	0.3	21	21	27	35.8	0.6	0.3	0.15	-	-	-
	25	32.4	22.1	0.6	0.3	21.2	-	27	35.8	0.6	0.3	0.15	-	-	-
	25	-	35.1	0.6	0.3	21.2	33	37	37.6	0.6	0.3	0.15	-	-	-
	25	32.4	35.1	0.6	0.3	21.2	33	27	37.6	0.6	0.3	0.15	-	-	-
	-	32.4	22.1	0.6	0.3	19.4	21	24	35.8	0.6	0.3	0.2	-	-	-
	25	32.4	22.1	0.6	0.3	21	21	27	35.8	0.6	0.3	0.2	-	-	-
	25	32.4	22.1	0.6	0.3	21.2	-	27	35.8	0.6	0.3	0.2	-	-	-
	-	37	24.2	1	0.6	21.2	23	26	41.4	1	0.6	0.15	-	-	-
	27.7	37	24.2	1	0.6	22.6	23	29	41.4	1	0.6	0.15	-	-	-
	27.7	37	24.2	1	0.6	22.6	-	42	42.8	1	0.6	0.15	-	-	-
	27.7	-	40.2	1	0.6	22.6	38	42	44.5	1	0.6	0.15	-	-	-
20	-	38.8	26.5	1	0.6	24.2	25	28	41.4	1	0.6	0.15	-	-	-
	29.7	38.8	26.5	1	0.6	25	25	31	41.4	1	0.6	0.15	-	-	-
	29.7	38.8	26.5	1	0.6	25.6	-	31	41.4	1	0.6	0.15	-	-	-
	29.7	-	41.5	1	0.6	25.6	40	43	42.8	1	0.6	0.15	-	-	-
	-	38.8	26.5	1	0.6	24.2	25	28	41.4	1	0.6	0.2	-	-	-
	29.7	38.8	26.5	1	0.6	25	25	31	41.4	1	0.6	0.2	-	-	-
	-	42.4	27.5	1.1	0.6	24.2	26	29	45	1	0.6	0.15	-	-	-
	31.2	42.4	27.5	1.1	0.6	27	29	33	45	1	0.6	0.15	-	-	-
	31.2	42.4	27.5	1.1	0.6	27	-	33	45	1	0.6	0.15	-	-	-
	31.2	-	45.5	1.1	0.6	27	44	47	47.8	1	0.6	0.15	-	-	-
	-	42.4	27.5	1.1	0.6	24.2	26	29	45	1	0.6	0.29	-	-	-

3 表格 / Tables

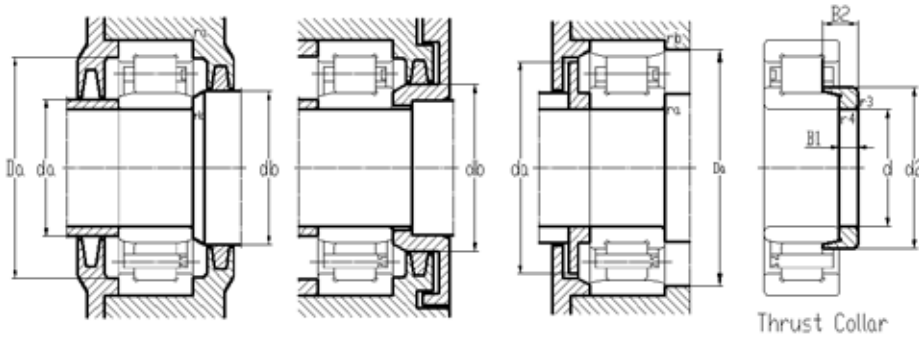
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
标准保持架	其它保持架	d	D	B	动态	静态	油	脂	标准保持架
					Dynamic	Static	Oil	Grease	with Standard Cage
with Standard Cage	with other Cage	mm	mm	mm	C	C ₀	rpm	rpm	kg
NJ 2304 EM	-	20	52	21	45.1	36.1	13000	11000	0.252
NUP 2304 EM	-		52	21	45.1	36.1	13000	11000	0.258
NU 205 EM	E, ETN	25	52	15	27.2	25.7	13000	11000	0.156
NJ 205 EM	E, ETN		52	15	27.2	25.7	13000	11000	0.160
NUP 205 EM	E, ETN		52	15	27.2	25.7	13000	11000	0.165
N 205 EM	E, ETN		52	15	27.2	25.7	13000	11000	0.152
NU 2205 EM	E		52	18	32.4	32.3	13000	11000	0.185
NJ 2205 EM	E		52	18	32.4	32.3	13000	11000	0.190
NUP 2205 EM	E		52	18	32.4	32.3	13000	11000	0.195
N 2205 EM	E		52	18	32.4	32.3	13000	11000	0.182
NU 305 EM	E		62	17	44.2	34.7	11000	9500	0.272
NJ 305 EM	E		62	17	44.2	34.7	11000	9500	0.293
NUP 305 EM	E		62	17	44.2	34.7	11000	9500	0.302
N 305 EM	E		62	17	44.2	34.7	11000	9500	0.267
NU 2305 EM	E		62	24	60.8	52.3	11000	9500	0.400
NJ 2305 EM	E		62	24	60.8	52.3	11000	9500	0.403
NUP 2305 EM	E		62	24	60.8	52.3	11000	9500	0.408
N 2305 EM	E		62	24	60.8	52.3	11000	9500	0.398
NU 1006 M	-	30	55	13	17.0	16.4	13000	11000	0.137
NU 206 EM	E		62	16	41.8	34.7	12000	10000	0.237
NJ 206 EM	E		62	16	41.8	34.7	12000	10000	0.241
NUP 206 EM	E		62	16	41.8	34.7	12000	10000	0.245
N 206 EM	E		62	16	41.8	34.7	12000	10000	0.233
NU 2206 EM	E		62	20	52.3	46.6	12000	10000	0.300
NJ 2206 EM	E		62	20	52.3	46.6	12000	10000	0.307
NUP 2206 EM	E		62	20	52.3	46.6	12000	10000	0.313
N 2206 EM	E		62	20	52.3	46.6	12000	10000	0.297
NU 306 EM	E		72	19	55.6	45.6	10000	8500	0.425

3 表格 / Tables

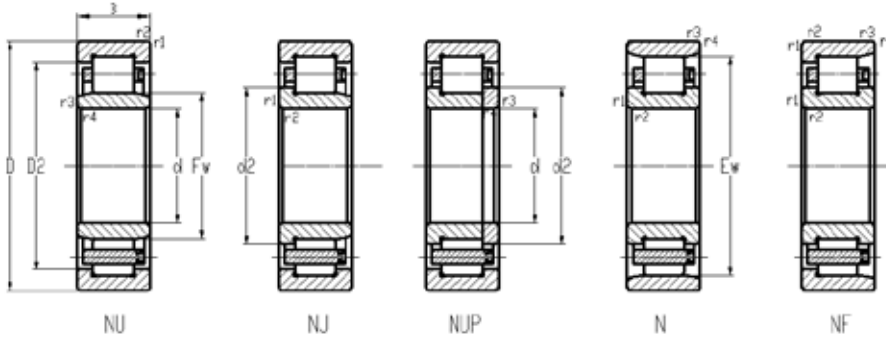
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



尺寸				挡肩及倒角尺寸								计算系数	斜挡圈			
Diameter				Shoulder & Chamfer Size								Calculation Coefficient	Thrust Collar			
				最小	最小	最小	最大	最小	最大	最大	最大		型号	重量	尺寸	
	≈	≈	Ew (Fw)	r1,2	r3,4	da	da	db, Da	Da	ra	rb	k _r	Type	Weight	Size	
d	d2	D2		mm	mm	mm	mm	mm	mm	mm	mm			kg	B1	B2
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				mm	mm
20	31.2	42.4	27.5	1.1	0.6	26	26	33	45	1	0.6	0.29	-	-	-	-
	31.2	42.4	27.5	1.1	0.6	27	-	33	45	1	0.6	0.29	-	-	-	-
25	-	43.8	31.5	1	0.6	29.2	30	33	46.4	1	0.6	0.15	-	-	-	-
	34.7	43.8	31.5	1	0.6	30	30	36	46.4	1	0.6	0.15	-	-	-	-
	34.7	43.8	31.5	1	0.6	30.6	-	36	46.4	1	0.6	0.15	-	-	-	-
	34.7	-	46.5	1	0.6	30.6	45	48	47.8	1	0.6	0.15	-	-	-	-
	-	43.8	31.5	1	0.6	29.2	30	33	46.4	1	0.6	0.2	-	-	-	-
	34.7	43.8	31.5	1	0.6	30	30	36	46.4	1	0.6	0.2	-	-	-	-
	34.7	43.8	31.5	1	0.6	30.6	-	36	46.4	1	0.6	0.2	-	-	-	-
	34.7	-	46.5	1	0.6	30.6	45	48	47.8	1	0.6	0.2	-	-	-	-
	-	50.7	34	1.1	1.1	32	32	36	55	1	1	0.15	-	-	-	-
	38.1	50.7	34	1.1	1.1	32	32	40	55	1	1	0.15	-	-	-	-
	38.1	50.7	34	1.1	1.1	32	-	40	55	1	1	0.15	-	-	-	-
	38.1	-	54	1.1	1.1	32	32	56	55	1	1	0.15	-	-	-	-
	-	50.7	34	1.1	1.1	32	32	36	55	1	1	0.25	-	-	-	-
	38.1	50.7	34	1.1	1.1	32	32	40	55	1	1	0.25	-	-	-	-
	38.1	-	54	1.1	1.1	32	32	56	55	1	1	0.25	-	-	-	-
30	-	45.6	36.5	1	0.6	33.2	35	38	50.4	1	0.6	0.1	-	-	-	-
	-	52.5	37.5	1	0.6	34.2	36	39	56.4	1	0.6	0.15	-	-	-	-
	41.2	52.5	37.5	1	0.6	35.6	36	43	56.4	1	0.6	0.15	-	-	-	-
	41.2	52.5	37.5	1	0.6	35.6	-	43	56.4	1	0.6	0.15	-	-	-	-
	41.2	-	55.5	1	0.6	35.6	54	57	57.8	1	0.6	0.15	-	-	-	-
	-	52.5	37.5	1	0.6	34.2	36	39	56.4	1	0.6	0.2	-	-	-	-
	41.2	52.5	37.5	1	0.6	35.6	36	43	56.4	1	0.6	0.2	-	-	-	-
	41.2	52.5	37.5	1	0.6	35.6	-	43	56.4	1	0.6	0.2	-	-	-	-
	41.2	-	55.5	1	0.6	35.6	54	57	57.8	1	0.6	0.2	-	-	-	-
	-	58.9	40.5	1.1	1.1	37	39	42	65	1	1	0.15	-	-	-	-

3 表格 / Tables

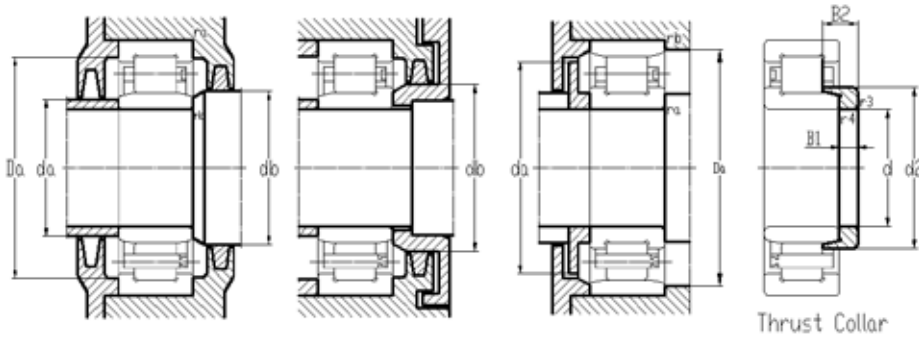
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
标准保持架 with Standard Cage	其它保持架 with other Cage	d	D	B	动态	静态	油	脂	标准保持架 with Standard Cage
					Dynamic	Static	Oil	Grease	
		mm	mm	mm	kN	kN	rpm	rpm	kg
NJ 306 EM	E	30	72	19	55.6	45.6	10000	8500	0.433
NUP 306 EM	E		72	19	55.6	45.6	10000	8500	0.440
N 306 EM	E		72	19	55.6	45.6	10000	8500	0.421
NU 2306 EM	E		72	27	78.9	71.3	10000	8500	0.600
NJ 2306 EM	E		72	27	78.9	71.3	10000	8500	0.620
NUP 2306 EM	E		72	27	78.9	71.3	10000	8500	0.660
N 2306 EM	E		72	27	78.9	71.3	10000	8500	0.598
NU 406 M	实体铁保 solid steel cage		90	23	57.5	50.4	8600	6600	0.862
NJ 406 M	实体铁保 solid steel cage		90	23	57.5	50.4	8600	6600	0.877
NU 1007 M	-	35	62	14	34.0	36.1	11000	9500	0.190
NU 207 EM	E, ETN		72	17	53.2	45.6	10000	8500	0.345
NJ 207 EM	E, ETN		72	17	53.2	45.6	10000	8500	0.350
NUP 207 EM	E, ETN		72	17	53.2	45.6	10000	8500	0.355
N 207 EM	E, ETN		72	17	53.2	45.6	10000	8500	0.340
NF 207 EM	E, ETN		72	17	53.2	45.6	10000	8500	0.346
NU 2207 EM	E, ETN		72	23	66.0	59.9	10000	8500	0.460
NJ 2207 EM	E, ETN		72	23	66.0	59.9	10000	8500	0.475
NUP 2207 EM	E, ETN		72	23	66.0	59.9	10000	8500	0.489
N 2207 EM	E, ETN		72	23	66.0	59.9	10000	8500	0.455
NU 307 EM	E		80	21	71.3	59.9	9000	7100	0.567
NJ 307 EM	E		80	21	71.3	59.9	9000	7100	0.578
NUP 307 EM	E		80	21	71.3	59.9	9000	7100	0.595
N 307 EM	E		80	21	71.3	59.9	9000	7100	0.561
NF 307 EM	E		80	21	71.3	59.9	9000	7100	0.569
NU 2307 EM	E		80	31	101	93.1	9000	7100	0.823
NJ 2307 EM	E		80	31	101	93.1	9000	7100	0.837
NUP 2307 EM	E		80	31	101	93.1	9000	7100	0.845
N 2307 EM	E		80	31	101	93.1	9000	7100	0.816

3 表格 / Tables

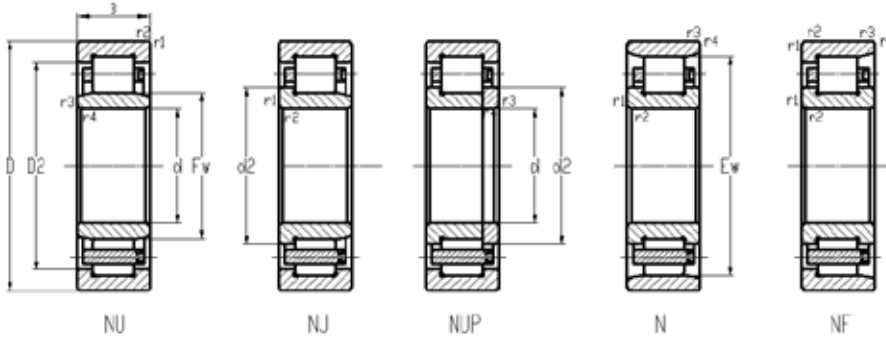
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



尺寸				挡肩及倒角尺寸								计算系数	斜挡圈			
Diameter				Shoulder & Chamfer Size								Calculation Coefficient	Thrust Collar			
				最小	最小	最小	最大	最小	最大	最大	最大		型号	重量	尺寸	
	≈	≈	Ew (Fw)	r1,2	r3,4	da	da	db, Da	Da	ra	rb	k _r	Type	Weight	Size	
d	d2	D2		mm	mm	mm	mm	mm	mm	mm	mm			kg	B1	B2
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				mm	mm
30	45	58.9	40.5	1.1	1.1	37	39	47	65	1	1	0.15	-	-	-	-
	45	58.9	40.5	1.1	1.1	37	-	47	65	1	1	0.15	-	-	-	-
	45	-	62.5	1.1	1.1	37	60	64	65	1	1	0.15	-	-	-	-
	-	58.9	40.5	1.1	1.1	37	39	42	65	1	1	0.25	-	-	-	-
	45	58.9	40.5	1.1	1.1	37	39	47	65	1	1	0.25	-	-	-	-
	45	58.9	40.5	1.1	1.1	37	-	47	65	1	1	0.25	-	-	-	-
	45	-	62.5	1.1	1.1	37	60	64	65	1	1	0.25	-	-	-	-
	-	66.6	45	1.5	1.5	41	43	47	79	1.5	1.5	0.15	-	-	-	-
	50.5	66.6	45	1.5	1.5	41	43	47	79	1.5	1.5	0.15	-	-	-	-
35	-	54.4	42	1	0.6	38.2	41	44	56	1	0.6	0.1	-	-	-	-
	-	60.7	44	1.1	0.6	39.2	42	46	65	1	0.6	0.15	-	-	-	-
	48.1	60.7	44	1.1	0.6	42	42	50	65	1	0.6	0.15	-	-	-	-
	48.1	60.7	44	1.1	0.6	42	-	50	65	1	0.6	0.15	-	-	-	-
	48.1	-	64	1.1	0.6	42	62	66	67.8	1	0.6	0.15	-	-	-	-
	48.1	60.7	64	1.1	0.6	42	62	66	67.8	1	0.6	0.15	-	-	-	-
	-	60.7	44	1.1	0.6	39.2	42	46	65	1	0.6	0.2	-	-	-	-
	48.1	60.7	44	1.1	0.6	42	42	50	65	1	0.6	0.2	-	-	-	-
	48.1	60.7	44	1.1	0.6	42	-	50	65	1	0.6	0.2	-	-	-	-
	48.1	-	64	1.1	0.6	42	62	66	67.8	1	0.6	0.2	-	-	-	-
	-	66.3	46.2	1.5	1.1	42	44	48	71	1.5	1	0.15	-	-	-	-
	51	66.3	46.2	1.5	1.1	44	44	53	71	1.5	1	0.15	-	-	-	-
	51	66.3	46.2	1.5	1.1	44	-	53	71	1.5	1	0.15	-	-	-	-
	51	-	70.2	1.5	1.1	44	68	72	73	1.5	1	0.15	-	-	-	-
	51	66.3	70.2	1.5	1.1	44	68	72	73	1.5	1	0.15	-	-	-	-
	-	66.3	46.2	1.5	1.1	42	44	48	71	1.5	1	0.25	-	-	-	-
	51	66.3	46.2	1.5	1.1	44	44	53	71	1.5	1	0.25	-	-	-	-
	51	66.3	46.2	1.5	1.1	44	-	53	71	1.5	1	0.25	-	-	-	-
	51	-	70.2	1.5	1.1	44	68	72	73	1.5	1	0.25	-	-	-	-

3 表格 / Tables

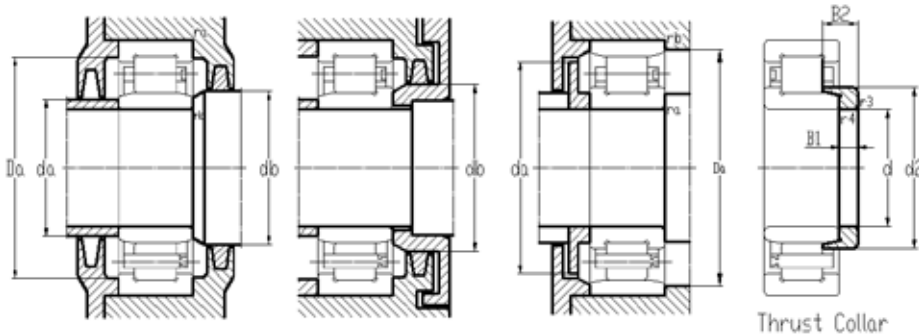
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
标准保持架 with Standard Cage	其它保持架 with other Cage	d	D	B	动态	静态	油	脂	标准保持架 with Standard Cage
					Dynamic	Static	Oil	Grease	
		mm	mm	mm	kN	kN	rpm	rpm	kg
NU 407 M	实体铁保 solid steel cage	35	100	25	72.7	66.0	7600	7100	1.15
NJ 407 M	实体铁保 solid steel cage		100	25	72.7	66.0	7600	7100	1.17
NU 1008 M	ETN	40	68	15	23.8	24.7	10000	8500	0.230
NJ 1008 M	ETN		68	15	23.8	24.7	10000	8500	0.238
N 1008 M	-		68	15	23.8	24.7	10000	8500	0.226
NU 208 EM	E		80	18	58.9	50.4	9000	7100	0.432
NJ 208 EM	E		80	18	58.9	50.4	9000	7100	0.437
NUP 208 EM	E		80	18	58.9	50.4	9000	7100	0.441
N 208 EM	E		80	18	58.9	50.4	9000	7100	0.428
NU 2208 EM	E		80	23	77.4	71.3	9000	7100	0.567
NJ 2208 EM	E		80	23	77.4	71.3	9000	7100	0.585
NUP 2208 EM	E		80	23	77.4	71.3	9000	7100	0.598
N 2208 EM	E		80	23	77.4	71.3	9000	7100	0.558
NU 308 EM	E		90	23	88.4	74.1	7600	6200	0.770
NJ 308 EM	E		90	23	88.4	74.1	7600	6200	0.785
NUP 308 EM	E		90	23	88.4	74.1	7600	6200	0.794
N 308 EM	E		90	23	88.4	74.1	7600	6200	0.766
NF 308 EM	E		90	23	88.4	74.1	7600	6200	0.774
NU 2308 EM	E		90	33	123	114	7600	6200	1.04
NJ 2308 EM	E		90	33	123	114	7600	6200	1.11
NUP 2308 EM	E		90	33	123	114	7600	6200	1.19
N 2308 EM	E		90	33	123	114	7600	6200	1.02
NF 2308 EM	E		90	33	123	114	7600	6200	1.08
NU 408 M	实体铁保 solid steel cage		110	27	92.0	85.5	6700	5200	1.47
NJ 408 M	实体铁保 solid steel cage		110	27	92.0	85.5	6700	5200	1.49
NU 1009 M	-	45	75	16	42.4	49.4	9000	7100	0.280
NU 209 EM	E		85	19	66.0	60.8	8600	6600	0.513
NJ 209 EM	E		85	19	66.0	60.8	8600	6600	0.524

3 表格 / Tables

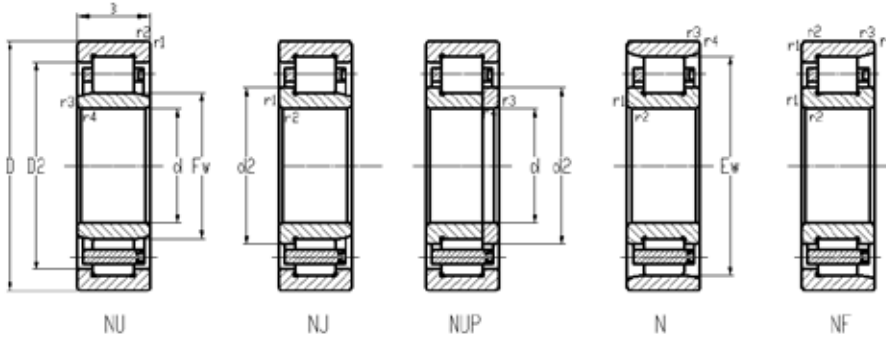
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



尺寸				挡肩及倒角尺寸								计算系数	斜挡圈			
Diameter				Shoulder & Chamfer Size								Calculation Coefficient	Thrust Collar			
				最小	最小	最小	最大	最小	最大	最大	最大		型号	重量	尺寸	
	≈	≈	Ew (Fw)	r1,2	r3,4	da	da	db, Da	Da	ra	rb	k _r	Type	Weight	Size	
d	d2	D2		mm	mm	mm	mm	mm	mm	mm	mm			kg	B1	B2
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				mm	mm
35	-	76.1	53	1.5	1.5	46	50	55	89	1.5	1.5	0.15	-	-	-	-
	59	76.1	53	1.5	1.5	46	50	61	89	1.5	1.5	0.15	-	-	-	-
40	-	57.6	47	1	0.6	43.2	45	49	63.4	1	0.6	0.1	-	-	-	-
	50	57.6	47	1	0.6	43.2	45	49	63.4	1	0.6	0.1	-	-	-	-
	50	-	61	1	0.6	43.2	57	62.5	64.5	1	0.6	0.1	-	-	-	-
	-	67.9	49.5	1.1	1.1	47	48	51	73	1	1	0.15	-	-	-	-
	54	67.9	49.5	1.1	1.1	47	48	56	73	1	1	0.15	-	-	-	-
	54	67.9	49.5	1.1	1.1	47	-	56	73	1	1	0.15	-	-	-	-
	54	-	71.5	1.1	1.1	47	69	73	73	1	1	0.15	-	-	-	-
	-	67.9	49.5	1.1	1.1	47	48	51	73	1	1	0.2	-	-	-	-
	54	67.9	49.5	1.1	1.1	47	48	56	73	1	1	0.2	-	-	-	-
	54	67.9	49.5	1.1	1.1	47	-	56	73	1	1	0.2	-	-	-	-
	54	-	71.5	1.1	1.1	47	69	73	73	1	1	0.2	-	-	-	-
	-	75.6	52	1.5	1.5	49	50	54	81	1.5	1.5	0.15	HJ308E	0.0926	7	11
	57.5	75.6	52	1.5	1.5	49	50	60	81	1.5	1.5	0.15	HJ308E	0.0926	7	11
	57.5	75.6	52	1.5	1.5	49	-	60	81	1.5	1.5	0.15	-	-	-	-
	57.5	-	80	1.5	1.5	49	78	82	81	1.5	1.5	0.15	-	-	-	-
	57.5	75.6	80	1.5	1.5	49	78	82	81	1.5	1.5	0.15	-	-	-	-
	-	75.6	52	1.5	1.5	49	50	54	81	1.5	1.5	0.25	-	-	-	-
	57.5	75.6	52	1.5	1.5	49	50	60	81	1.5	1.5	0.25	-	-	-	-
	57.5	75.6	52	1.5	1.5	49	-	60	81	1.5	1.5	0.25	-	-	-	-
	57.5	-	80	1.5	1.5	49	78	82	81	1.5	1.5	0.25	-	-	-	-
	57.5	75.6	80	1.5	1.5	49	78	82	81	1.5	1.5	0.25	-	-	-	-
	-	84.2	58	2	2	53	56	60	97	2	2	0.15	-	-	-	-
	64.8	84.2	58	2	2	53	56	60	97	2	2	0.15	-	-	-	-
45	-	65.3	52.5	1	0.6	48.2	51	54	70.4	1	0.6	0.1	-	-	-	-
	-	73	54.5	1.1	1.1	52	53	56	78	1	1	0.15	-	-	-	-
	59	73	54.5	1.1	1.1	52	53	61	78	1	1	0.15	-	-	-	-

3 表格 / Tables

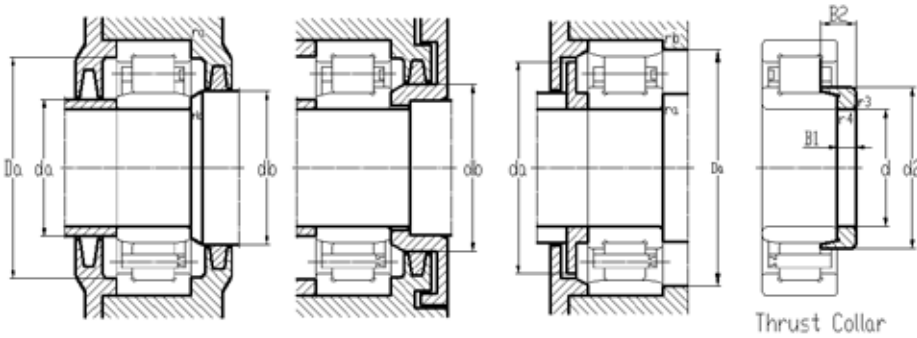
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
标准保持架 with Standard Cage	其它保持架 with other Cage	d	D	B	动态	静态	油	脂	标准保持架
					Dynamic	Static	Oil	Grease	with Standard Cage
		mm	mm	mm	kN	kN	rpm	rpm	kg
NUP 209 EM	E	45	85	19	66.0	60.8	8600	6600	0.529
N 209 EM	E		85	19	66.0	60.8	8600	6600	0.508
NF 209 EM	E		85	19	66.0	60.8	8600	6600	0.517
NU 2209 EM	E		85	23	80.8	77.4	8600	6600	0.620
NJ 2209 EM	E		85	23	80.8	77.4	8600	6600	0.633
NUP 2209 EM	E		85	23	80.8	77.4	8600	6600	0.650
N 2209 EM	E		85	23	80.8	77.4	8600	6600	0.611
NU 309 EM	E		100	25	106	95.0	7100	5700	1.01
NJ 309 EM	E		100	25	106	95.0	7100	5700	1.08
NUP 309 EM	E		100	25	106	95.0	7100	5700	1.13
N 309 EM	E		100	25	106	95.0	7100	5700	0.980
NF 309 EM	E		100	25	106	95.0	7100	5700	1.05
NU 2309 EM	E		100	36	152	145	7100	5700	1.44
NJ 2309 EM	E		100	36	152	145	7100	5700	1.47
NUP 2309 EM	E		100	36	152	145	7100	5700	1.56
N 2309 EM	E		100	36	152	145	7100	5700	1.41
NU 409 M	实体铁保 solid steel cage		120	29	101	96.9	6400	5200	1.85
NJ 409 M	实体铁保 solid steel cage		120	29	101	96.9	6400	5200	1.87
NU 1010 M	-	50	80	16	44.5	53.2	8600	6700	0.310
NJ 1010 M	-		80	16	44.5	53.2	8600	6700	0.316
N 1010 M	-		80	16	44.5	53.2	8600	6700	0.304
NU 210 EM	E, ETN		90	20	69.8	66.0	8100	6700	0.575
NJ 210 EM	E, ETN		90	20	69.8	66.0	8100	6700	0.739
NUP 210 EM	E, ETN		90	20	69.8	66.0	8100	6700	0.745
N 210 EM	E, ETN		90	20	69.8	66.0	8100	6700	0.572
NF 210 EM	E, ETN		90	20	69.8	66.0	8100	6700	0.582
NU 2210 EM	E		90	23	85.5	83.6	8100	6700	0.966
NJ 2210 EM	E		90	23	85.5	83.6	8100	6700	0.981

3 表格 / Tables

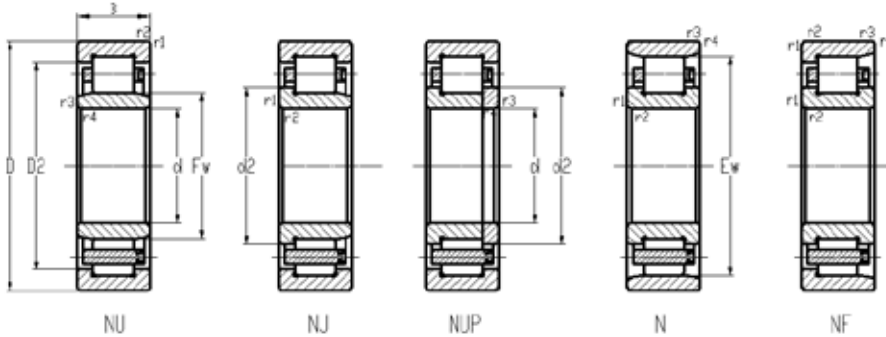
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



尺寸				挡肩及倒角尺寸								计算系数	斜挡圈			
Diameter				Shoulder & Chamfer Size								Calculation Coefficient	Thrust Collar			
				最小	最小	最小	最大	最小	最大	最大	最大		型号	重量	尺寸	
	≈	≈	Ew (Fw)	r1,2	r3,4	da	da	db, Da	Da	ra	rb	k _r	Type	Weight	Size	
d	d2	D2		mm	mm	mm	mm	mm	mm	mm	mm			kg	B1	B2
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				mm	mm
45	59	73	54.5	1.1	1.1	52	-	61	78	1	1	0.15	-	-	-	-
	59	-	76.5	1.1	1.1	52	74	78	78	1	1	0.15	-	-	-	-
	59	73	76.5	1.1	1.1	52	74	78	78	1	1	0.15	-	-	-	-
	-	73	54.5	1.1	1.1	52	53	56	78	1	1	0.2	-	-	-	-
	59	73	54.5	1.1	1.1	52	53	61	78	1	1	0.2	-	-	-	-
	59	73	54.5	1.1	1.1	52	-	61	78	1	1	0.2	-	-	-	-
	59	-	76.5	1.1	1.1	52	74	78	78	1	1	0.2	-	-	-	-
	-	83.8	58.5	1.5	1.5	54	56	61	91	1.5	1.5	0.15	-	-	-	-
	64.4	83.8	58.5	1.5	1.5	54	56	67	91	1.5	1.5	0.15	-	-	-	-
	64.4	83.8	58.5	1.5	1.5	54	-	67	91	1.5	1.5	0.15	-	-	-	-
	64.4	-	88.5	1.5	1.5	54	86	91	91	1.5	1.5	0.15	-	-	-	-
	64.4	83.8	88.5	1.5	1.5	54	86	91	91	1.5	1.5	0.15	-	-	-	-
	-	83.8	58.5	1.5	1.5	54	56	61	91	1.5	1.5	0.25	-	-	-	-
	64.4	83.8	58.5	1.5	1.5	54	56	67	91	1.5	1.5	0.25	-	-	-	-
	64.4	83.8	58.5	1.5	1.5	54	-	67	91	1.5	1.5	0.25	-	-	-	-
	64.4	-	88.5	1.5	1.5	54	86	91	91	1.5	1.5	0.25	-	-	-	-
	71.8	92.2	64.5	2	2	58	62	67	107	2	2	0.15	-	-	-	-
	71.8	92.2	64.5	2	2	58	62	67	107	2	2	0.15	-	-	-	-
50	-	70	57.5	1	0.6	53.2	56	60	75.4	1	0.6	0.1	-	-	-	-
	60.7	70	57.5	1	0.6	53.2	56	60	75.4	1	0.6	0.1	-	-	-	-
	60.7	-	72.5	1	0.6	53.2	70	74	75.4	1	0.6	0.1	-	-	-	-
	-	78	59.5	1.1	1.1	57	57	62	83	1	1	0.15	-	-	-	-
	64	78	59.5	1.1	1.1	57	57	66	83	1	1	0.15	-	-	-	-
	64	78	59.5	1.1	1.1	57	-	66	83	1	1	0.15	-	-	-	-
	64	-	81.5	1.1	1.1	57	79	83	83	1	1	0.15	-	-	-	-
	64	78	81.5	1.1	1.1	57	79	83	83	1	1	0.15	-	-	-	-
	-	78	59.5	1.1	1.1	57	57	62	83	1	1	0.2	-	-	-	-
	64	78	59.5	1.1	1.1	57	57	66	83	1	1	0.2	-	-	-	-

3 表格 / Tables

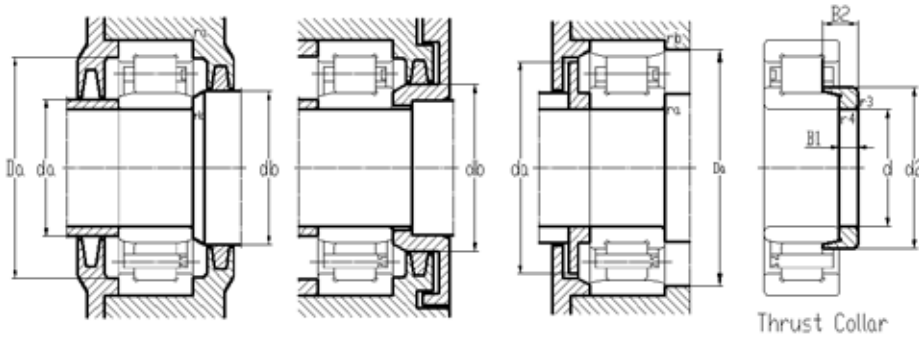
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
标准保持架 with Standard Cage	其它保持架 with other Cage	d	D	B	动态	静态	油	脂	标准保持架
					Dynamic	Static	Oil	Grease	with Standard Cage
		mm	mm	mm	kN	kN	rpm	rpm	kg
NUP 2210 EM	E	50	90	23	85.5	83.6	8100	6700	0.997
N 2210 EM	E		90	23	85.5	83.6	8100	6700	0.953
NU 310 EM	E		110	27	121	106	6400	4800	1.30
NJ 310 EM	E		110	27	121	106	6400	4800	1.33
NUP 310 EM	E		110	27	121	106	6400	4800	1.38
N 310 EM	E		110	27	121	106	6400	4800	1.27
NF 310 EM	E		110	27	121	106	6400	4800	1.32
NU 2310 EM	E		110	40	177	177	6400	4800	2.86
NJ 2310 EM	E		110	40	177	177	6400	4800	2.90
NUP 2310 EM	E		110	40	177	177	6400	4800	2.98
N 2310 EM	E		110	40	177	177	6400	4800	2.84
NU 410 M	实体铁保 solid steel cage		130	31	124	121	5700	4300	2.29
NJ 410 M	实体铁保 solid steel cage		130	31	124	121	5700	4300	2.32
NUP 410 M	实体铁保 solid steel cage		130	31	124	121	5700	4300	2.35
NU 1011 M	-	55	90	18	54.0	66.0	7600	6700	0.472
NJ 1011 M	-		90	18	54.0	66.0	7600	6700	0.480
NU 211 EM	E		100	21	91.7	90.3	7100	5700	0.763
NJ 211 EM	E		100	21	91.7	90.3	7100	5700	0.768
NUP 211 EM	E		100	21	91.7	90.3	7100	5700	0.774
N 211 EM	E		100	21	91.7	90.3	7100	5700	0.761
NF 211 EM	E		100	21	91.7	90.3	7100	5700	0.769
NU 2211 EM	E		100	25	108	112	7100	5700	0.894
NJ 2211 EM	E		100	25	108	112	7100	5700	0.914
NUP 2211 EM	E		100	25	108	112	7100	5700	0.932
N 2211 EM	E		100	25	108	112	7100	5700	0.886
NU 311 EM	E		120	29	148	136	6700	5200	1.66
NJ 311 EM	E		120	29	148	136	6700	5200	1.71
NUP 311 EM	E		120	29	148	136	6700	5200	1.78

3 表格 / Tables

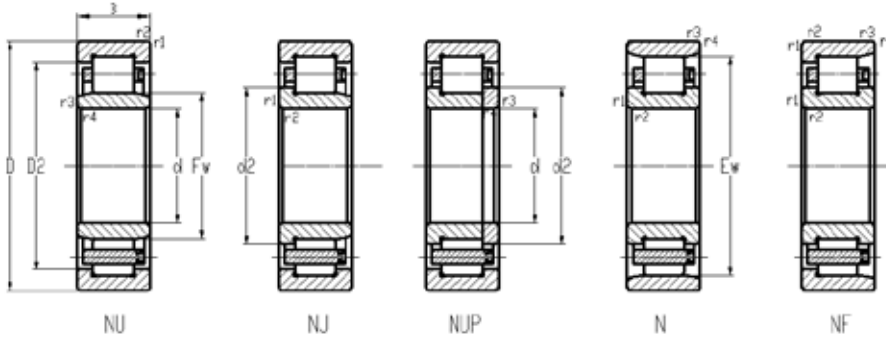
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



尺寸				挡肩及倒角尺寸								计算系数	斜挡圈			
Diameter				Shoulder & Chamfer Size								Calculation Coefficient	Thrust Collar			
				最小	最小	最小	最大	最小	最大	最大	最大		型号	重量	尺寸	
	≈	≈	Ew (Fw)	r1,2	r3,4	da	da	db, Da	Da	ra	rb	k _r	Type	Weight	Size	
d	d2	D2		mm	mm	mm	mm	mm	mm	mm	mm			kg	B1	B2
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				mm	mm
50	64	78	59.5	1.1	1.1	57	-	66	83	1	1	0.2	-	-	-	-
	64	-	81.5	1.1	1.1	57	79	83	83	1	1	0.2	-	-	-	-
	-	92.1	65	2	2	61	63	67	99	2	2	0.15	-	-	-	-
	71.2	92.1	65	2	2	61	63	73	99	2	2	0.15	-	-	-	-
	71.2	92.1	65	2	2	61	-	73	99	2	2	0.15	-	-	-	-
	71.2	-	97	2	2	61	95	99	99	2	2	0.15	-	-	-	-
	71.2	92.1	97	2	2	61	95	99	99	2	2	0.15	-	-	-	-
	-	92.1	65	2	2	61	63	67	99	2	2	0.25	-	-	-	-
	71.2	92.1	65	2	2	61	63	73	99	2	2	0.25	-	-	-	-
	71.2	92.1	65	2	2	61	-	73	99	2	2	0.25	-	-	-	-
	71.2	-	97	2	2	61	95	99	99	2	2	0.25	-	-	-	-
	-	102	70.8	2.1	2.1	64	68	73	116	2	2	0.15	-	-	-	-
	78.8	102	70.8	2.1	2.1	64	68	81	116	2	2	0.15	-	-	-	-
	78.8	102	70.8	2.1	2.1	64	68	81	116	2	2	0.15	-	-	-	-
55	-	79	64.5	1.1	1	59.6	63	67	84	1	1	0.1	-	-	-	-
	67.7	79	64.5	1.1	1	59.6	63	70	84	1	1	0.1	-	-	-	-
	-	86.3	66	1.5	1.1	62	64	68	91	1.5	1	0.15	-	-	-	-
	70.8	86.3	66	1.5	1.1	64	64	73	91	1.5	1	0.15	-	-	-	-
	70.8	86.3	66	1.5	1.1	64	-	73	91	1.5	1	0.15	-	-	-	-
	70.8	-	90	1.5	1.1	64	88	92	93	1.5	1	0.15	-	-	-	-
	70.8	86.3	90	1.5	1.1	64	88	92	93	1.5	1	0.15	-	-	-	-
	-	86.3	66	1.5	1.1	62	64	68	91	1.5	1	0.2	-	-	-	-
	70.8	86.3	66	1.5	1.1	64	64	73	91	1.5	1	0.2	-	-	-	-
	70.8	86.3	66	1.5	1.1	64	-	73	91	1.5	1	0.2	-	-	-	-
	70.8	-	90	1.5	1.1	64	88	92	93	1.5	1	0.2	-	-	-	-
	-	101	70.5	2	2	66	68	73	109	2	2	0.15	-	-	-	-
	77.5	101	70.5	2	2	66	68	80	109	2	2	0.15	-	-	-	-
	77.5	101	70.5	2	2	66	-	80	109	2	2	0.15	-	-	-	-

3 表格 / Tables

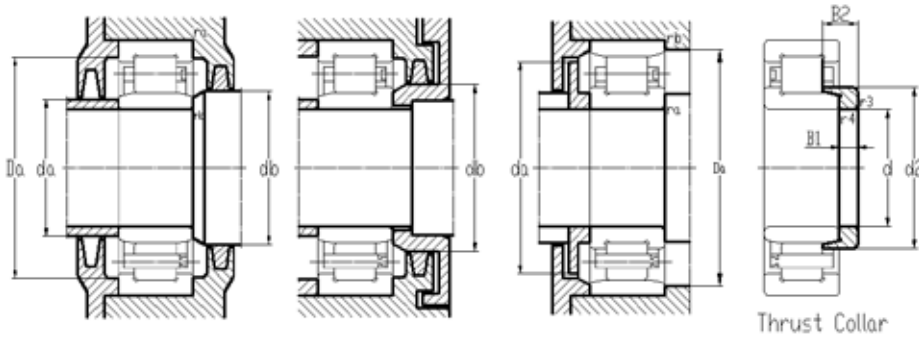
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
标准保持架	其它保持架	d	D	B	动态	静态	油	脂	标准保持架
					Dynamic	Static	Oil	Grease	with Standard Cage
with Standard Cage	with other Cage	mm	mm	mm	C	C ₀	rpm	rpm	kg
N 311 EM	E	55	120	29	148	136	6700	5200	1.63
NF 311 EM	E		120	29	148	136	6700	5200	1.69
NU 2311 EM	E		120	43	220	220	6700	5200	3.69
NJ 2311 EM	E		120	43	220	220	6700	5200	3.73
NUP 2311 EM	E		120	43	220	220	6700	5200	3.79
N 2311 EM	E		120	43	220	220	6700	5200	3.67
NU 411 M	实体铁保 solid steel cage		140	33	135	133	6000	4800	2.79
NJ 411 M	实体铁保 solid steel cage		140	33	135	133	6000	4800	2.91
NU 1012 M	-	60	95	18	35.5	41.8	9500	7600	0.500
NJ 1012 M	-		95	18	35.5	41.8	9500	7600	0.509
N 1012 M	-		95	18	35.5	41.8	9500	7600	0.497
NU 212 EM	E		110	22	103	96.9	7100	5700	0.943
NJ 212 EM	E		110	22	103	96.9	7100	5700	0.966
NUP 212 EM	E		110	22	103	96.9	7100	5700	0.975
N 212 EM	E		110	22	103	96.9	7100	5700	0.939
NF 212 EM	E		110	22	103	96.9	7100	5700	0.953
NU 2212 EM	E		110	28	139	145	7100	5700	1.24
NJ 2212 EM	E		110	28	139	145	7100	5700	1.35
NUP 2212 EM	E		110	28	139	145	7100	5700	1.43
NU 312 EM	E		130	31	164	152	6400	5000	2.06
NJ 312 EM	E		130	31	164	152	6400	5000	2.10
NUP 312 EM	E		130	31	164	152	6400	5000	2.15
N 312 EM	E		130	31	164	152	6400	5000	2.03
NF 312 EM	E		130	31	164	152	6400	5000	2.08
NU 2312 EM	E		130	46	247	252	6400	5000	3.08
NJ 2312 EM	E		130	46	247	252	6400	5000	3.14
NUP 2312 EM	E		130	46	247	252	6400	5000	3.21
NU 412 M	-		150	35	160	164	5700	4600	3.54

3 表格 / Tables

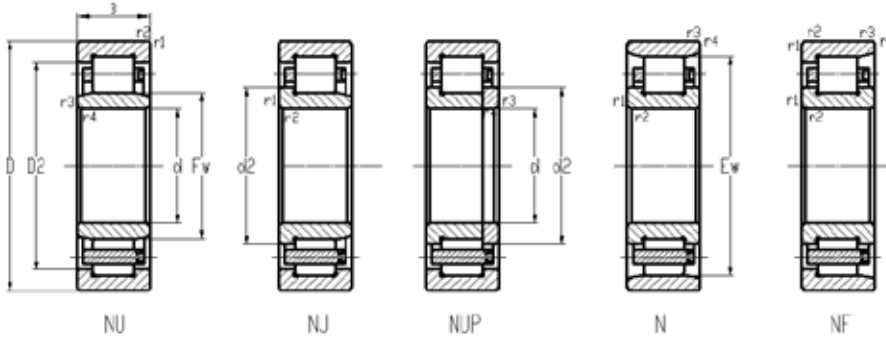
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



尺寸				挡肩及倒角尺寸								计算系数	斜挡圈			
Diameter				Shoulder & Chamfer Size								Calculation Coefficient	Thrust Collar			
				最小	最小	最小	最大	最小	最大	最大	最大		型号	重量	尺寸	
	≈	≈	Ew (Fw)	r1,2	r3,4	da	da	db, Da	Da	ra	rb	k _r	Type	Weight	Size	
d	d2	D2		mm	mm	mm	mm	mm	mm	mm	mm			kg	B1	B2
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				mm	mm
55	77.5	-	106.5	2	2	66	104	109	109	2	2	0.15	-	-	-	-
	77.5	101	106.5	2	2	66	104	109	109	2	2	0.15	-	-	-	-
	-	101	70.5	2	2	66	68	73	109	2	2	0.15	-	-	-	-
	77.5	101	70.5	2	2	66	68	80	109	2	2	0.15	-	-	-	-
	77.5	101	70.5	2	2	66	-	80	109	2	2	0.15	-	-	-	-
	77.5	-	106.5	2	2	66	104	109	109	2	2	0.15	-	-	-	-
	-	108	77.2	2.1	2.1	69	74	79	126	2	2	0.15	-	-	-	-
60	85.2	108	77.2	2.1	2.1	69	74	87	126	2	2	0.15	-	-	-	-
	-	81.6	69.5	1.1	1	64.6	68	72	89	1	1	0.1	-	-	-	-
	72.7	81.6	69.5	1.1	1	64.6	68	72	89	1	1	0.1	-	-	-	-
	72.7	81.6	85.5	1.1	1	64.6	83	89	89	1	1	0.1	-	-	-	-
	-	95.7	72	1.5	1.5	69	70	74	101	1.5	1.5	0.15	-	-	-	-
	77.5	95.7	72	1.5	1.5	69	70	80	101	1.5	1.5	0.15	-	-	-	-
	77.5	95.7	72	1.5	1.5	69	-	80	101	1.5	1.5	0.15	-	-	-	-
	77.5	-	100	1.5	1.5	69	98	101	101	1.5	1.5	0.15	-	-	-	-
	77.5	95.7	100	1.5	1.5	69	98	101	101	1.5	1.5	0.15	-	-	-	-
	-	95.7	72	1.5	1.5	69	70	74	101	1.5	1.5	0.2	-	-	-	-
77.5	77.5	95.7	72	1.5	1.5	69	70	80	101	1.5	1.5	0.2	-	-	-	-
	77.5	95.7	72	1.5	1.5	69	-	80	101	1.5	1.5	0.2	-	-	-	-
	-	110	77	2.1	2.1	72	74	79	118	2	2	0.15	-	-	-	-
	84.3	110	77	2.1	2.1	72	74	79	118	2	2	0.15	-	-	-	-
	84.3	110	77	2.1	2.1	72	-	79	118	2	2	0.15	-	-	-	-
	84.3	-	115	2.1	2.1	72	112	79	118	2	2	0.15	-	-	-	-
	84.3	110	115	2.1	2.1	72	74	79	118	2	2	0.15	-	-	-	-
	-	110	77	2.1	2.1	72	74	79	118	2	2	0.25	-	-	-	-
	84.3	110	77	2.1	2.1	72	74	79	118	2	2	0.25	-	-	-	-
	84.3	110	77	2.1	2.1	72	-	79	118	2	2	0.25	-	-	-	-
84.3	-	117	83	2.1	2.1	74	80	85	136	2	2	0.15	-	-	-	-

3 表格 / Tables

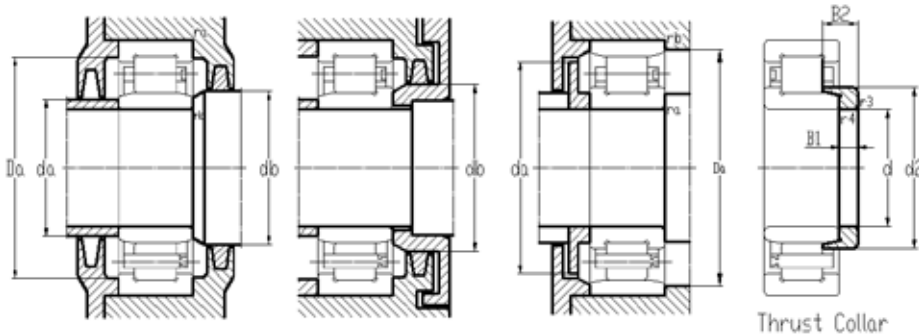
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
标准保持架 with Standard Cage	其它保持架 with other Cage	d	D	B	动态	静态	油	脂	标准保持架 with Standard Cage
					Dynamic	Static	Oil	Grease	
		mm	mm	mm	kN	kN	rpm	rpm	kg
NJ 412 M	-	60	150	35	160	164	5700	4600	3.61
NUP 412 M	-		150	35	160	164	5700	4600	3.69
NU 1013 M	-	65	100	18	59.6	77.4	7100	5700	0.531
NJ 1013 M	-		100	18	59.6	77.4	7100	5700	0.542
NU 213 EM	E		120	23	116	112	6300	5200	1.19
NJ 213 EM	E		120	23	116	112	6300	5200	1.24
NUP 213 EM	E		120	23	116	112	6300	5200	1.31
N 213 EM	E		120	23	116	112	6300	5200	1.17
NU 2213 EM	E		120	31	162	171	6300	5200	1.62
NJ 2213 EM	E		120	31	162	171	6300	5200	1.66
NUP 2213 EM	E		120	31	162	171	6300	5200	1.73
NU 313 EM	E		140	33	201	186	5700	4800	2.45
NJ 313 EM	E		140	33	201	186	5700	4800	2.58
NUP 313 EM	E		140	33	201	186	5700	4800	2.65
N 313 EM	E		140	33	201	186	5700	4800	2.41
NF 313 EM	E		140	33	201	186	5700	4800	2.52
NU 2313 EM	E		140	48	271	276	5700	4800	3.77
NJ 2313 EM	E		140	48	271	276	5700	4800	3.85
NUP 2313 EM	E		140	48	271	276	5700	4750	3.96
NU 413 M	实体铁保 solid steel cage		160	37	174	181	5300	4300	4.08
NJ 413 M	实体铁保 solid steel cage		160	37	174	181	5300	4300	4.14
NU 1014 M	-	70	110	20	72.7	88.4	6700	5200	0.700
NJ 1014 M	-		110	20	72.7	88.4	6700	5200	0.753
NU 214 EM	E		125	24	130	130	6000	4800	1.32
NJ 214 EM	E		125	24	130	130	6000	4800	1.38
NUP 214 EM	E		125	24	130	130	6000	4800	1.45
N 214 EM	E		125	24	130	130	6000	4800	1.29
NU 2214 EM	E		125	31	171	183	6000	4800	1.72

3 表格 / Tables

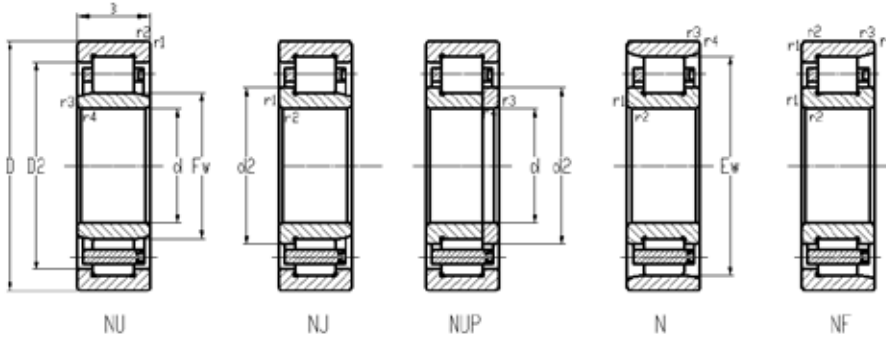
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



尺寸				挡肩及倒角尺寸								计算系数	斜挡圈			
Diameter				Shoulder & Chamfer Size								Calculation Coefficient	Thrust Collar			
				最小	最小	最小	最大	最小	最大	最大	最大		型号	重量	尺寸	
	≈	≈	Ew (Fw)	r1,2	r3,4	da	da	db, Da	Da	ra	rb	k _r	Type	Weight	Size	
d	d2	D2		mm	mm	mm	mm	mm	mm	mm	mm			kg	B1	B2
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				mm	mm
60	91.8	117	83	2.1	2.1	74	80	94	136	2	2	0.15	-	-	-	-
	91.8	117	83	2.1	2.1	74	80	94	136	2	2	0.15	-	-	-	-
65	-	88.5	74	1.1	1	69.6	72	77	94	1	1	0.1	-	-	-	-
	77.7	88.5	74	1.1	1	69.6	72	80	94	1	1	0.1	-	-	-	-
	-	104	78.5	1.5	1.5	74	76	81	111	1.5	1.5	0.15	-	-	-	-
	84.4	104	78.5	1.5	1.5	74	76	81	111	1.5	1.5	0.15	-	-	-	-
	84.4	104	78.5	1.5	1.5	74	76	81	111	1.5	1.5	0.15	-	-	-	-
	84.4	-	108.5	1.5	1.5	74	106	111	111	1.5	1.5	0.15	-	-	-	-
	-	104	78.5	1.5	1.5	74	76	81	111	1.5	1.5	0.2	-	-	-	-
	84.4	104	78.5	1.5	1.5	74	76	81	111	1.5	1.5	0.2	-	-	-	-
	-	119	82.5	2.1	2.1	77	80	85	128	2	2	0.15	-	-	-	-
	90.5	119	82.5	2.1	2.1	77	80	93	128	2	2	0.15	-	-	-	-
	90.5	119	82.5	2.1	2.1	77	-	93	128	2	2	0.15	-	-	-	-
	90.5	-	124.5	2.1	2.1	77	122	127	128	2	2	0.15	-	-	-	-
	90.5	119	124.5	2.1	2.1	77	122	127	128	2	2	0.15	-	-	-	-
	-	119	82.5	2.1	2.1	77	80	85	128	2	2	0.25	-	-	-	-
	90.5	119	82.5	2.1	2.1	77	80	93	128	2	2	0.25	-	-	-	-
	90.5	119	82.5	2.1	2.1	77	-	93	128	2	2	0.25	-	-	-	-
	-	125	89.3	2.1	2.1	79	86	92	146	2	2	0.15	-	-	-	-
	98.5	125	89.3	2.1	2.1	79	86	92	146	2	2	0.15	-	-	-	-
70	-	97.5	79.5	1.1	1	74.6	78	82	104	1	1	0.1	-	-	-	-
	84	97.5	79.5	1.1	1	74.6	78	86	104	1	1	0.1	-	-	-	-
	-	109	83.5	1.5	1.5	79	81	86	116	1.5	1.5	0.15	-	-	-	-
	89.4	109	83.5	1.5	1.5	79	81	86	116	1.5	1.5	0.15	-	-	-	-
	89.4	109	83.5	1.5	1.5	79	81	86	116	1.5	1.5	0.15	-	-	-	-
	89.4	109	83.5	1.5	1.5	79	81	86	116	1.5	1.5	0.15	-	-	-	-
	-	109	83.5	1.5	1.5	79	81	86	116	1.5	1.5	0.2	-	-	-	-

3 表格 / Tables

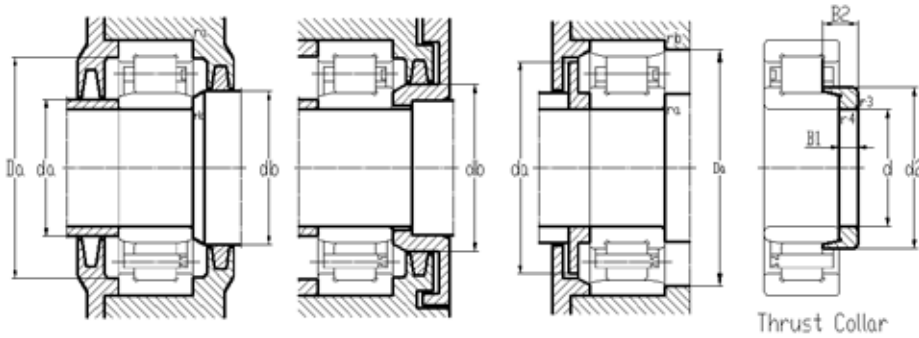
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
标准保持架 with Standard Cage	其它保持架 with other Cage	d	D	B	动态	静态	油	脂	标准保持架
					Dynamic	Static	Oil	Grease	with Standard Cage
		mm	mm	mm	kN	kN	rpm	rpm	kg
NJ 2214 EM	E	70	125	31	171	183	6000	4800	1.76
NUP 2214 EM	E		125	31	171	183	6000	4800	1.85
NU 314 EM	E		150	35	224	217	5300	4300	3.14
NJ 314 EM	E		150	35	224	217	5300	4300	3.17
NUP 314 EM	E		150	35	224	217	5300	4300	3.21
N 314 EM	E		150	35	224	217	5300	4300	3.11
NU 2314 EM	E		150	51	299	309	5300	4300	4.49
NJ 2314 EM	E		150	51	299	309	5300	4300	4.54
NUP 2314 EM	E		150	51	299	309	5300	4300	4.59
NU 414 M	-		180	42	218	228	4800	4600	5.93
NJ 414 M	-		180	42	218	228	4800	4600	6.07
NU 1015 M	-	75	115	20	55.4	67.5	6200	5000	0.779
NJ 1015 M	-		115	20	55.4	67.5	6200	5000	0.796
NU 215 EM	E		130	25	143	148	5700	4600	1.44
NJ 215 EM	E		130	25	143	148	5700	4600	1.47
NUP 215 EM	E		130	25	143	148	5700	4600	1.54
N 215 EM	E		130	25	143	148	5700	4600	1.42
NU 2215 EM	E		130	31	177	198	5700	4600	2.82
NJ 2215 EM	E		130	31	177	198	5700	4600	2.86
NUP 2215 EM	E		130	31	177	198	5700	4600	2.94
NU 315 EM	E		160	37	266	252	5000	4300	3.72
NJ 315 EM	E		160	37	266	252	5000	4300	3.78
NUP 315 EM	E		160	37	266	252	5000	4300	3.85
N 315 EM	E		160	37	266	252	5000	4300	3.68
NU 2315 EM	E		160	55	361	380	5000	4300	5.57
NJ 2315 EM	E		160	55	361	380	5000	4300	5.66
NUP 2315 EM	E		160	55	361	380	5000	4300	5.75
NU 415 M	-		190	45	251	266	4600	3800	7.03

3 表格 / Tables

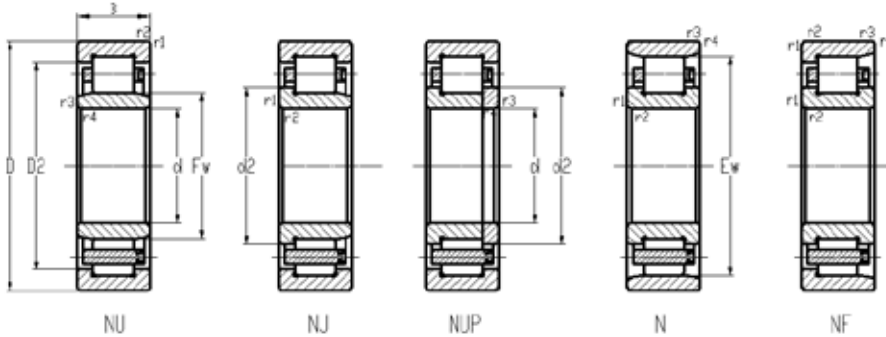
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



尺寸				挡肩及倒角尺寸								计算系数	斜挡圈			
Diameter				Shoulder & Chamfer Size								Calculation Coefficient	Thrust Collar			
				最小	最小	最小	最大	最小	最大	最大	最大		型号	重量	尺寸	
	≈	≈	Ew (Fw)	r1,2	r3,4	da	da	db, Da	Da	ra	rb	k _r	Type	Weight	Size	
d	d2	D2		mm	mm	mm	mm	mm	mm	mm	mm			kg	B1	B2
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				mm	mm
70	89.4	109	83.5	1.5	1.5	79	81	86	116	1.5	1.5	0.2	-	-	-	-
	89.4	109	83.5	1.5	1.5	79	81	86	116	1.5	1.5	0.2	-	-	-	-
	-	127	89	2.1	2.1	82	86	91	138	2	2	0.15	-	-	-	-
	97.3	127	89	2.1	2.1	82	86	100	138	2	2	0.15	-	-	-	-
	97.3	127	89	2.1	2.1	82	-	100	138	2	2	0.15	-	-	-	-
	97.3	-	133	2.1	2.1	82	130	136	138	2	2	0.15	-	-	-	-
	-	127	89	2.1	2.1	82	86	91	138	2	2	0.25	-	-	-	-
	97.3	127	89	2.1	2.1	82	86	100	138	2	2	0.25	-	-	-	-
	97.3	127	89	2.1	2.1	82	-	100	138	2	2	0.25	-	-	-	-
	-	140	100	3	3	86	97	102	164	2.5	2.5	0.15	-	-	-	-
75	-	101	85	1.1	1	79.6	83	87	109	1	1	0.1	-	-	-	-
	84	101	85	1.1	1	79.6	83	87	109	1	1	0.1	-	-	-	-
	-	114	88.5	1.5	1.5	84	86	97	121	1.5	1.5	0.15	-	-	-	-
	94.3	114	88.5	1.5	1.5	84	86	97	121	1.5	1.5	0.15	-	-	-	-
	94.3	114	88.5	1.5	1.5	84	-	97	121	1.5	1.5	0.15	-	-	-	-
	94.3	-	118.5	1.5	1.5	84	121	121	121	1.5	1.5	0.15	-	-	-	-
	-	114	88.5	1.5	1.5	84	86	97	121	1.5	1.5	0.2	-	-	-	-
	94.3	114	88.5	1.5	1.5	84	86	97	121	1.5	1.5	0.2	-	-	-	-
	94.3	114	88.5	1.5	1.5	84	-	97	121	1.5	1.5	0.2	-	-	-	-
	-	136	95	2.1	2.1	87	92	97	148	2	2	0.15	-	-	-	-
104	104	136	95	2.1	2.1	87	92	107	148	2	2	0.15	-	-	-	-
	104	136	95	2.1	2.1	87	-	107	148	2	2	0.15	-	-	-	-
	104	-	143	2.1	2.1	87	140	146	148	2	2	0.15	-	-	-	-
	-	136	95	2.1	2.1	87	92	97	148	2	2	0.25	-	-	-	-
	104	136	95	2.1	2.1	87	92	107	148	2	2	0.25	-	-	-	-
	104	136	95	2.1	2.1	87	-	107	148	2	2	0.25	-	-	-	-
	-	148	104.5	3	3	91	101	107	174	2.5	2.5	0.15	-	-	-	-

3 表格 / Tables

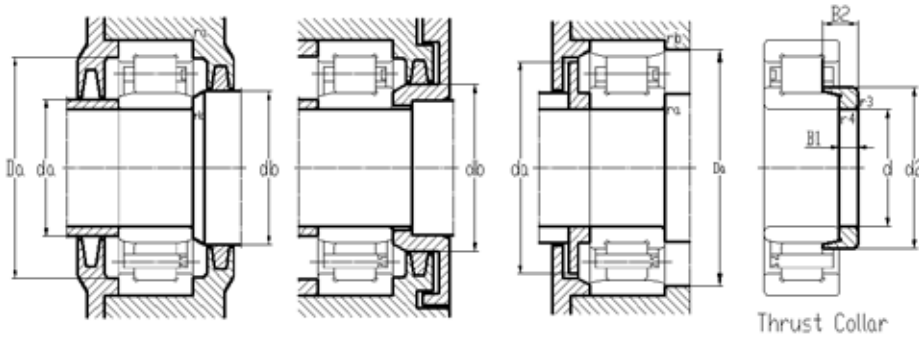
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
标准保持架	其它保持架	d	D	B	动态	静态	油	脂	标准保持架
					Dynamic	Static	Oil	Grease	
with Standard Cage	with other Cage	mm	mm	mm	C	C ₀	rpm	rpm	kg
NJ 415 M	-	75	190	45	251	266	4600	3800	7.20
NU 1016 M	-	80	125	22	62.7	77.4	6000	5200	1.01
NJ 1016 M	-		125	22	62.7	77.4	6000	5200	1.04
NU 216 EM	E		140	26	152	158	5300	4600	1.72
NJ 216 EM	E		140	26	152	158	5300	4600	1.76
NUP 216 EM	E		140	26	152	158	5300	4600	1.81
N 216 EM	E		140	26	152	158	5300	4600	1.69
NU 2216 EM	-		140	33	201	233	5300	4600	3.56
NJ 2216 EM	-		140	33	201	233	5300	4600	3.60
NUP 2216 EM	-		140	33	201	233	5300	4600	3.68
NF 2216 EM	-		140	33	201	233	5300	4600	3.51
NU 316 EM	E		170	39	285	276	4800	4000	4.39
NJ 316 EM	E		170	39	285	276	4800	4000	4.47
NUP 316 EM	E		170	39	285	276	4800	4000	4.54
N 316 EM	E		170	39	285	276	4800	4000	4.35
NU 2316 EM	E		170	58	394	418	4800	4000	6.66
NJ 2316 EM	E		170	58	394	418	4800	4000	6.80
NUP 2316 EM	E		170	58	394	418	4800	4000	6.91
N 2316 EM	E		170	39	394	418	4800	4000	6.59
NU 416 M	-		200	48	288	304	4300	3600	8.35
NJ 416 M	-		200	48	288	304	4300	3600	8.41
N 416 M	-		200	48	288	304	4300	3600	8.32
NU 1017 M	-	85	130	22	64.8	82.2	5700	4900	1.04
NJ 1017 M	-		130	22	64.8	82.2	5700	4900	1.06
NUP 1017 M	-		130	22	64.8	82.2	5700	4900	1.09
NU 217 EM	E		150	28	181	190	5000	4300	2.13
NJ 217 EM	E		150	28	181	190	5000	4300	2.19
NUP 217 EM	E		150	28	181	190	5000	4300	2.24

3 表格 / Tables

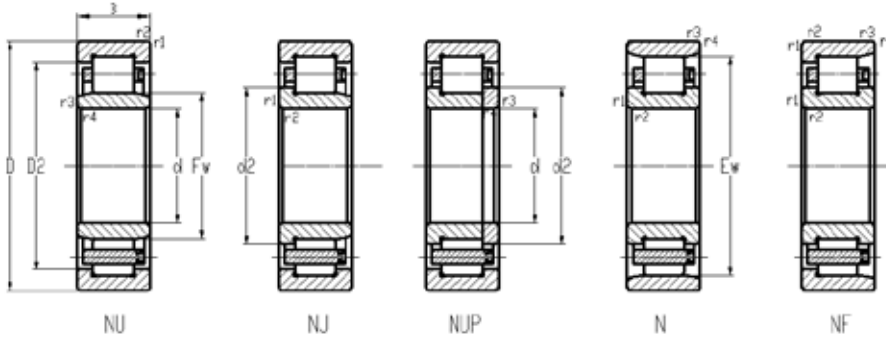
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



尺寸				挡肩及倒角尺寸								计算系数	斜挡圈			
Diameter				Shoulder & Chamfer Size								Calculation Coefficient	Thrust Collar			
				最小	最小	最小	最大	最小	最大	最大	最大		型号	重量	尺寸	
	≈	≈	Ew (Fw)	r1,2	r3,4	da	da	db, Da	Da	ra	rb	k _r	Type	Weight	B1	B2
d	d2	D2		mm	mm	mm	mm	mm	mm	mm	mm			kg	mm	mm
75	116	148	104.5	3	3	91	101	119	174	2.5	2.5	0.15	-	-	-	-
80	-	109	91.5	1.1	1	86	90	94	119	1	1	0.1	-	-	-	-
	96.2	109	91.5	1.1	1	86	90	94	119	1	1	0.1	-	-	-	-
	-	123	95.3	2	2	91	93	98	129	2	2	0.15	-	-	-	-
	101	123	95.3	2	2	91	93	104	129	2	2	0.15	-	-	-	-
	101	123	95.3	2	2	91	-	104	129	2	2	0.15	-	-	-	-
	101	-	127.3	2	2	91	125	129	129	2	2	0.15	-	-	-	-
	-	123	95.3	2	2	91	93	98	129	2	2	0.2	-	-	-	-
	101	123	95.3	2	2	91	93	104	129	2	2	0.2	-	-	-	-
	101	123	95.3	2	2	91	-	104	129	2	2	0.2	-	-	-	-
	101	123	95.3	2	2	91	93	104	129	2	2	0.2	-	-	-	-
	-	144	101	2.1	2.1	92	98	104	158	2	2	0.15	-	-	-	-
	110	144	101	2.1	2.1	92	98	113	158	2	2	0.15	-	-	-	-
	110	144	101	2.1	2.1	92	-	113	158	2	2	0.15	-	-	-	-
	110	-	151	2.1	2.1	92	148	154	158	2	2	0.15	-	-	-	-
	-	144	101	2.1	2.1	92	98	104	158	2	2	0.25	HJ2316E	0.541	11	20
	110	144	101	2.1	2.1	92	98	113	158	2	2	0.25	HJ2316E	0.541	11	20
	110	144	101	2.1	2.1	92	-	113	158	2	2	0.25	-	-	-	-
	110	-	151	2.1	2.1	92	148	154	158	2	2	0.15	-	-	-	-
	-	157	110	3	3	96	106	113	184	2.5	2.5	0.15	-	-	-	-
	122	157	110	3	3	96	106	125	184	2.5	2.5	0.15	-	-	-	-
	122	-	170	3	3	96	167	174	184	2.5	2.5	0.15	-	-	-	-
85	-	114	96.5	1.1	1	89.6	95	99	124	1	1	0.1	-	-	-	-
	100.5	114	96.5	1.1	1	89.6	95	104	124	1	1	0.1	-	-	-	-
	100.5	114	96.5	1.1	1	89.6	95	104	124	1	1	0.1	-	-	-	-
	-	131	100.5	2	2	96	98	103	139	2	2	0.15	-	-	-	-
	107	131	100.5	2	2	96	98	110	139	2	2	0.15	-	-	-	-
	107	131	100.5	2	2	96	-	110	139	2	2	0.15	-	-	-	-

3 表格 / Tables

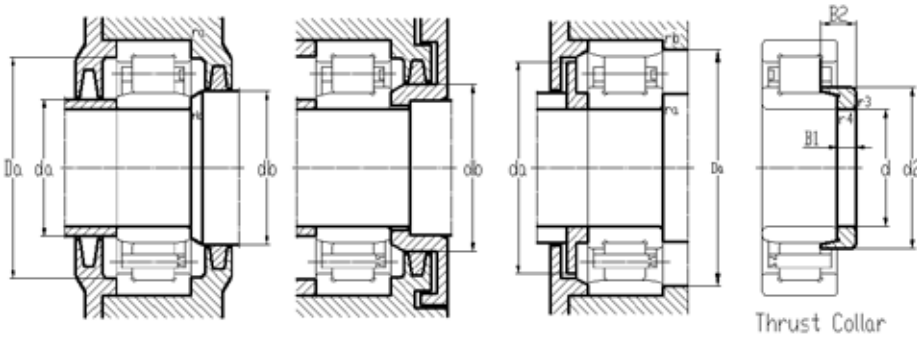
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
标准保持架	其它保持架	d	D	B	动态	静态	油	脂	标准保持架
					Dynamic	Static	Oil	Grease	with Standard Cage
with Standard Cage	with other Cage	mm	mm	mm	C	C ₀	rpm	rpm	kg
N 217 EM	E	85	150	28	181	190	5000	4300	2.11
NU 2217 EM	E		150	36	238	266	5000	4300	3.42
NJ 2217 EM	E		150	36	238	266	5000	4300	3.46
NUP 2217 EM	E		150	36	238	266	5000	4300	3.53
NU 317 EM	E		180	41	323	318	4600	3800	5.12
NJ 317 EM	E		180	41	323	318	4600	3800	5.32
NUP 317 EM	E		180	41	323	318	4600	3800	5.41
N 317 EM	E		180	41	323	318	4600	3800	5.04
NU 2317 M	E		180	60	432	466	4600	3800	7.42
NJ 2317 M	E		180	60	432	466	4600	3800	7.56
NUP 2317 M	E		180	60	432	466	4600	3800	7.67
NU 417 M	-		210	52	303	318	4100	3400	9.86
NJ 417 M	-		210	52	303	318	4100	3400	9.99
N 417 M	-		210	52	303	318	4100	3400	9.83
NU 1018 M	-	90	140	24	76.9	98.8	5300	4600	1.40
NJ 1018 M	-		140	24	76.9	98.8	5300	4600	1.42
NU 218 EM	E		160	30	198	209	4800	4300	2.57
NJ 218 EM	E		160	30	198	209	4800	4300	2.68
NUP 218 EM	E		160	30	198	209	4800	4300	2.76
N 218 EM	E		160	30	198	209	4800	4300	2.55
NU 2218 EM	E		160	40	266	299	4800	4300	3.55
NJ 2218 EM	E		160	40	266	299	4800	4300	3.64
NUP 2218 EM	E		160	40	266	299	4800	4300	3.75
NU 318 EM	-		190	43	347	342	4300	3600	6.11
NJ 318 EM	-		190	43	347	342	4300	3600	6.21
NUP 318 EM	-		190	43	347	342	4300	3600	6.32
N 318 EM	-		190	43	347	342	4300	3600	6.03
NU 2318 EM	-		190	64	475	513	4300	3600	8.99

3 表格 / Tables

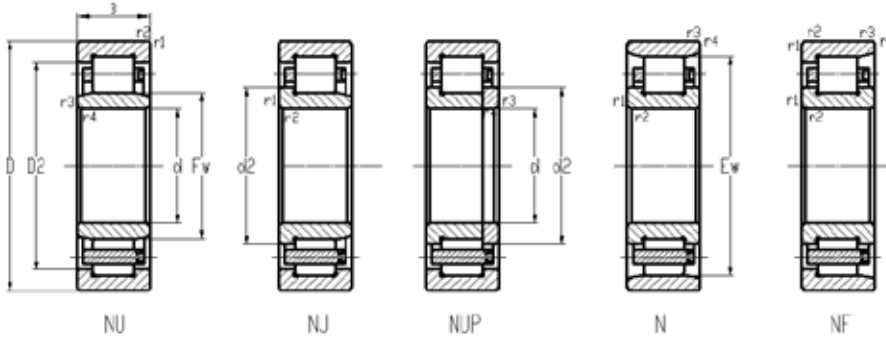
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



尺寸				挡肩及倒角尺寸								计算系数	斜挡圈			
Diameter				Shoulder & Chamfer Size								Calculation Coefficient	Thrust Collar			
				最小	最小	最小	最大	最小	最大	最大	最大		型号	重量	尺寸	
	≈	≈	Ew (Fw)	r1,2	r3,4	da	da	db, Da	Da	ra	rb	k _r	Type	Weight	Size	
d	d2	D2		mm	mm	mm	mm	mm	mm	mm	mm			kg	B1	B2
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				mm	mm
85	107	-	136.5	2	2	96	134	139	139	2	2	0.15	-	-	-	-
	-	131	100.5	2	2	96	98	103	139	2	2	0.2	-	-	-	-
	107	131	100.5	2	2	96	98	110	139	2	2	0.2	-	-	-	-
	107	131	100.5	2	2	96	-	110	139	2	2	0.2	-	-	-	-
	-	153	108	3	3	99	105	111	166	2.5	2.5	0.15	-	-	-	-
	117	153	108	3	3	99	105	120	166	2.5	2.5	0.15	-	-	-	-
	117	153	108	3	3	99	-	120	166	2.5	2.5	0.15	-	-	-	-
	117	-	160	3	3	99	157	163	166	2.5	2.5	0.15	-	-	-	-
	-	153	108	3	3	99	105	111	166	2.5	2.5	0.25	-	-	-	-
	117	153	108	3	3	99	105	120	166	2.5	2.5	0.25	-	-	-	-
	-	163	113	4	4	105	109	116	190	3	3	0.15	-	-	-	-
	126	163	113	4	4	105	109	130	190	3	3	0.15	-	-	-	-
	126	-	179.5	4	4	105	176	130	190	3	3	0.15	-	-	-	-
90	-	122	103	1.5	1.1	96	101	106	133	1.5	1	0.1	-	-	-	-
	107.4	122	103	1.5	1.1	96	101	110	133	1.5	1	0.1	-	-	-	-
	-	140	107	2	2	101	104	110	149	2	2	0.15	HJ218E	0.331	9	14
	114	140	107	2	2	101	104	117	149	2	2	0.15	HJ218E	0.331	9	14
	114	140	107	2	2	101	-	117	149	2	2	0.15	-	-	-	-
	114	-	145	2	2	101	142	148	149	2	2	0.15	-	-	-	-
	-	140	107	2	2	101	104	110	149	2	2	0.2	-	-	-	-
	114	140	107	2	2	101	104	117	149	2	2	0.2	-	-	-	-
	114	140	107	2	2	101	-	117	149	2	2	0.2	-	-	-	-
	-	162	113.5	3	3	104	110	116	176	2.5	2.5	0.15	-	-	-	-
	124	162	113.5	3	3	104	110	127	176	2.5	2.5	0.15	-	-	-	-
	124	162	113.5	3	3	104	-	127	176	2.5	2.5	0.15	-	-	-	-
	124	162	169.5	3	3	104	166	173	176	2.5	2.5	0.15	-	-	-	-
	-	162	113.5	3	3	104	110	116	176	2.5	2.5	0.25	-	-	-	-

3 表格 / Tables

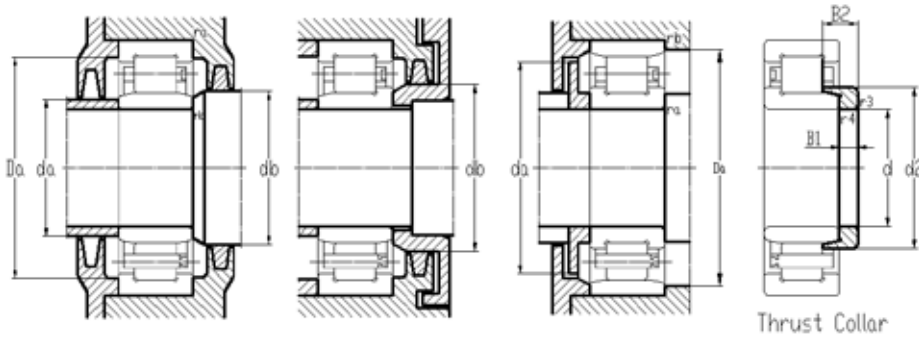
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
标准保持架	其它保持架	d	D	B	动态	静态	油	脂	标准保持架
					Dynamic	Static	Oil	Grease	with Standard Cage
with Standard Cage	with other Cage	mm	mm	mm	C	C ₀	rpm	rpm	kg
NJ 2318 EM	-	90	190	64	475	513	4300	3600	9.15
NUP 2318 EM	-		190	64	475	513	4300	3600	9.25
NU 418 M	-		225	54	361	394	3800	3200	11.2
NU 1019 M	-	95	145	24	80.0	105	5000	4600	1.45
NJ 1019 M	-		145	24	80.0	105	5000	4600	1.48
NU 219 EM	-		170	32	242	252	4600	4100	3.26
NJ 219 EM	-		170	32	242	252	4600	4100	3.32
NUP 219 EM	-		170	32	242	252	4600	4100	3.39
N 219 EM	-		170	32	242	252	4600	4100	3.23
NU 2219 EM	-		170	43	309	356	4600	4100	4.38
NJ 2219 EM	-		170	43	309	356	4600	4100	4.45
NUP 2219 EM	-		170	43	309	356	4600	4100	4.56
NU 319 EM	E		200	45	371	371	4100	3400	7.02
NJ 319 EM	E		200	45	371	371	4100	3400	7.14
NUP 319 EM	E		200	45	371	371	4100	3400	7.23
N 319 EM	E		200	45	371	371	4100	3400	6.97
NU 2319 EM	E		200	67	504	556	4100	3400	10.4
NJ 2319 EM	E		200	67	504	556	4100	3400	10.6
NUP 2319 EM	E		200	67	504	556	4100	3400	10.8
NU 419 M	-		240	55	392	432	3400	2900	13.9
NJ 419 M	-		240	55	392	432	3400	2900	14.2
NU 1020 M	-	100	150	24	81.5	108	5000	4600	1.51
NJ 1020 M	-		150	24	81.5	108	5000	4600	1.54
NUP 1020 M	-		150	24	81.5	108	5000	4600	1.59
NU 220 EM	E		180	34	271	290	4300	3800	3.91
NJ 220 EM	E		180	34	271	290	4300	3800	3.97
NUP 220 EM	E		180	34	271	290	4300	3800	4.07
N 220 EM	E		180	34	271	290	4300	3800	3.87

3 表格 / Tables

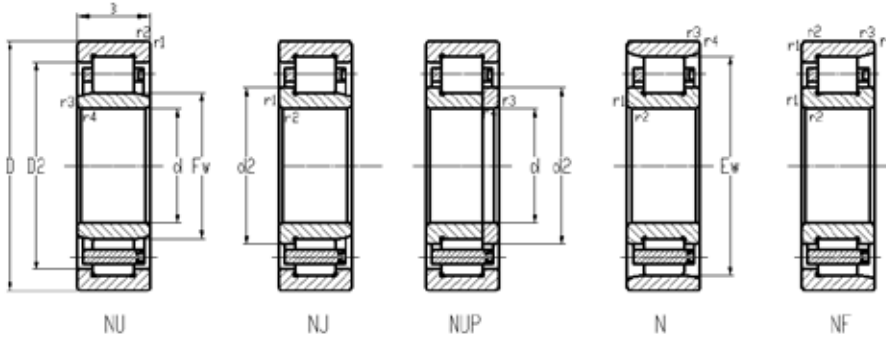
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



尺寸				挡肩及倒角尺寸								计算系数	斜挡圈			
Diameter				Shoulder & Chamfer Size								Calculation Coefficient	Thrust Collar			
				最小	最小	最小	最大	最小	最大	最大	最大		型号	重量	尺寸	
	≈	≈		min	min	min	max	min	max	max	max		Type	Weight	Size	
d	d2	D2	Ew (Fw)	r1,2	r3,4	da	da	db, Da	Da	ra	rb	k _r			B1	B2
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			kg	mm	mm
90	124	162	113.5	3	3	104	110	127	176	2.5	2.5	0.25	-	-	-	-
	124	162	113.5	3	3	104	-	127	176	2.5	2.5	0.25	-	-	-	-
	-	176	123.5	4	4	106	120	126	209	3	3	0.15	-	-	-	-
95	-	127	108	1.5	1.1	101	106	111	138	1.5	1	0.1	-	-	-	-
	112.4	127	108	1.5	1.1	101	106	115	138	1.5	1	0.1	-	-	-	-
	-	149	112.5	2.1	2.1	107	110	115	158	2	2	0.15	-	-	-	-
120	149	112.5	2.1	2.1	107	110	123	158	2	2	0.15	-	-	-	-	-
	120	149	112.5	2.1	2.1	107	-	123	158	2	2	0.15	-	-	-	-
	120	-	154.5	2.1	2.1	107	152	115	158	2	2	0.15	-	-	-	-
120	-	149	112.5	2.1	2.1	107	110	115	158	2	2	0.2	-	-	-	-
	120	149	112.5	2.1	2.1	107	110	123	158	2	2	0.2	-	-	-	-
	120	149	112.5	2.1	2.1	107	-	123	158	2	2	0.2	-	-	-	-
132	-	170	121.5	3	3	109	118	124	186	2.5	2.5	0.15	HJ319E	1.11	13	20.5
	132	170	121.5	3	3	109	118	135	186	2.5	2.5	0.15	HJ319E	1.11	13	20.5
	132	170	121.5	3	3	109	-	135	186	2.5	2.5	0.15	-	-	-	-
132	-	177.5	133.5	3	3	109	174	181	186	2.5	2.5	0.15	-	-	-	-
	-	170	121.5	3	3	109	118	124	186	2.5	2.5	0.25	-	-	-	-
	132	170	121.5	3	3	109	118	135	186	2.5	2.5	0.25	-	-	-	-
132	170	19 M	3	3	109	-	135	186	2.5	2.5	0.25	-	-	-	-	-
	-	186	133.5	4	4	115	130	136	220	3	3	0.15	-	-	-	-
	145.8	186	133.5	4	4	115	130	150	220	3	3	0.15	-	-	-	-
100	-	132	113	1.5	1.1	106	111	116	143	1.5	1	0.1	-	-	-	-
	117.4	132	113	1.5	1.1	106	111	120	143	1.5	1	0.1	-	-	-	-
	117.4	132	113	1.5	1.1	106	111	120	143	1.5	1	0.1	-	-	-	-
127	-	157	119	2.1	2.1	112	116	122	168	2	2	0.15	HJ220E	0.46	10	15
	127	157	119	2.1	2.1	112	116	130	168	2	2	0.15	HJ220E	0.46	10	15
	127	157	119	2.1	2.1	112	-	130	168	2	2	0.15	-	-	-	-
127	-	163	2.1	2.1	112	160	166	168	2	2	0.15	-	-	-	-	

3 表格 / Tables

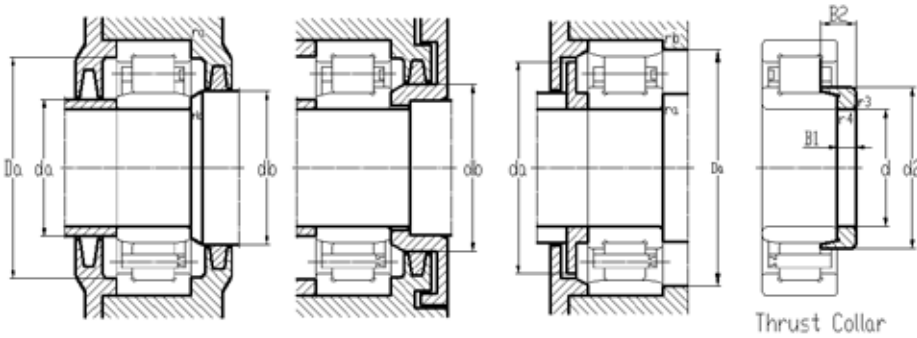
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
标准保持架	其它保持架	d	D	B	动态	静态	油	脂	标准保持架
					Dynamic	Static	Oil	Grease	with Standard Cage
with Standard Cage	with other Cage	mm	mm	mm	C	C ₀	rpm	rpm	kg
NU 2220 EM	E	100	180	46	361	428	4300	3800	5.36
NJ 2220 EM	E		180	46	361	428	4300	3800	5.43
NUP 2220 EM	E		180	46	361	428	4300	3800	5.51
NU 320 EM	E		215	47	428	418	3600	3000	8.55
NJ 320 EM	E		215	47	428	418	3600	3000	8.80
NUP 320 EM	E		215	47	428	418	3600	3000	8.98
N 320 EM	E		215	47	428	418	3600	3000	8.42
NU 2320 EM	E		215	73	637	698	3600	3000	12.2
NJ 2320 EM	E		215	73	637	698	3600	3000	12.4
NUP 2320 EM	E		215	73	637	698	3600	3000	12.7
NU 420 M	-		250	58	408	451	3400	2900	15.9
NJ 420 M	-		250	58	408	451	3400	2900	16.1
NU 1021 M	-	105	160	26	96.0	130	4800	4200	1.96
N 1021 M	-		160	26	96.0	130	4800	4200	1.88
NU 221 EM	-		190	36	285	299	4100	3600	4.36
NJ 221 EM	-		190	36	285	299	4100	3600	4.45
NUP 221 EM	-		190	36	285	299	4100	3600	4.52
N 221 EM	-		190	36	285	299	4100	3600	4.32
NU 321 EM	-		225	49	475	475	3600	3000	9.83
NJ 321 EM	-		225	49	475	475	3600	3000	9.97
N 321 EM	-		225	49	475	475	3600	3000	9.78
NU 421 M	-		260	60	476	542	3200	2700	17.2
NU 1022 M	-	110	170	28	122	158	4600	4200	2.41
NU 222 EM	-		200	38	318	347	3800	3300	5.40
NJ 222 EM	-		200	38	318	347	3800	3300	5.46
NUP 222 EM	-		200	38	318	347	3800	3300	5.55
N 222 EM	-		200	38	318	347	3800	3300	5.37
NU 2222 EM	-		200	53	418	494	3800	3300	8.31

3 表格 / Tables

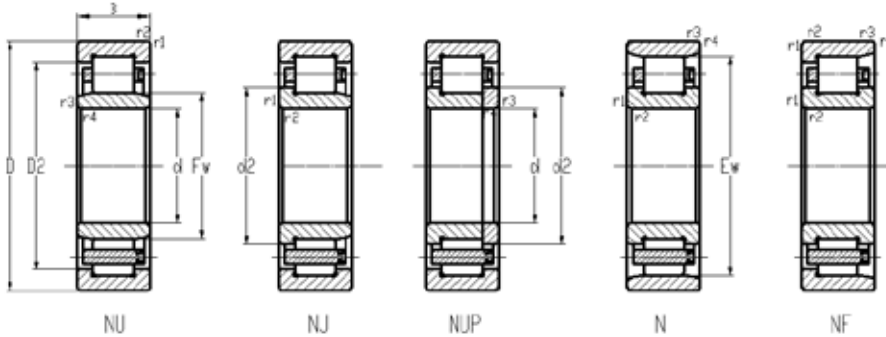
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



尺寸				挡肩及倒角尺寸								计算系数	斜挡圈			
Diameter				Shoulder & Chamfer Size								Calculation Coefficient	Thrust Collar			
				最小	最小	最小	最大	最小	最大	最大	最大		型号	重量	尺寸	
	≈	≈	Ew (Fw)	r1,2	r3,4	da	da	db, Da	Da	ra	rb	k _r	Type	Weight	Size	
d	d2	D2		mm	mm	mm	mm	mm	mm	mm	mm			kg	B1	B2
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				mm	mm
100	-	157	119	2.1	2.1	112	116	122	168	2	2	0.2	-	-	-	-
	127	157	119	2.1	2.1	112	116	130	168	2	2	0.2	-	-	-	-
	127	157	119	2.1	2.1	112	-	130	168	2	2	0.2	-	-	-	-
	-	182	127.5	3	3	114	124	130	201	2.5	2.5	0.15	HJ320E	0.95	13	20.5
	139	182	127.5	3	3	114	124	142	201	2.5	2.5	0.15	HJ320E	0.95	13	20.5
	139	182	127.5	3	3	114	-	142	201	2.5	2.5	0.15	-	-	-	-
	139	-	191.5	3	3	114	188	195	201	2.5	2.5	0.15	-	-	-	-
	-	182	127.5	3	3	114	124	130	201	2.5	2.5	0.25	HJ2320E	0.103	13	23.5
	139	182	127.5	3	3	114	124	142	201	2.5	2.5	0.25	HJ2320E	0.103	13	23.5
	139	182	127.5	3	3	114	-	142	201	2.5	2.5	0.25	-	-	-	-
	-	195	139	4	4	120	135	142	230	3	3	0.15	-	-	-	-
	152.1	195	139	4	4	120	135	155	230	3	3	0.15	-	-	-	-
105	-	140	119.5	2	1.1	111	117	122	151	2	1	0.1	-	-	-	-
	124.2	140	145.5	2	1.1	111	117	127	151	2	1	0.1	-	-	-	-
	-	164	125	2.1	2.1	117	122	128	178	2	2	0.15	-	-	-	-
	134	164	125	2.1	2.1	117	122	137	178	2	2	0.15	-	-	-	-
	134	164	125	2.1	2.1	117	-	137	178	2	2	0.15	-	-	-	-
	134	-	173	2.1	2.1	117	170	176	178	2	2	0.15	-	-	-	-
	-	190	133	3	3	119	130	136	211	2.5	2.5	0.15	-	-	-	-
	145	190	133	3	3	119	130	136	211	2.5	2.5	0.15	-	-	-	-
	145	-	201	3	3	119	130	136	211	2.5	2.5	0.15	-	-	-	-
	-	203	144.5	4	4	125	140	147	240	3	3	0.15	-	-	-	-
110	-	149	125	2	1.1	116	123	128	161	2	1	0.1	-	-	-	-
	-	174	132.5	2.1	2.1	122	130	135	188	2	2	0.15	-	-	-	-
	141	174	132.5	2.1	2.1	122	130	145	188	2	2	0.15	-	-	-	-
	141	174	132.5	2.1	2.1	122	-	145	188	2	2	0.15	-	-	-	-
	141	-	180.5	2.1	2.1	122	177	183	188	2	2	0.15	-	-	-	-
	-	174	132.5	2.1	2.1	122	129	135	188	2	2	0.2	-	-	-	-

3 表格 / Tables

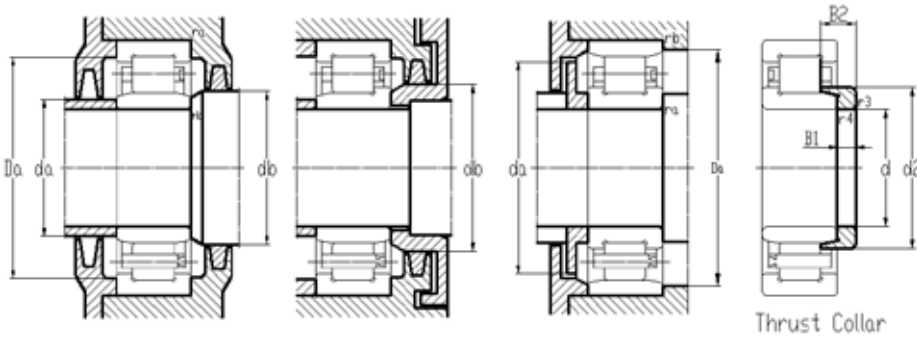
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
标准保持架 with Standard Cage	其它保持架 with other Cage	d	D	B	动态	静态	油	脂	标准保持架
					Dynamic	Static	Oil	Grease	with Standard Cage
		mm	mm	mm	kN	kN	rpm	rpm	kg
NJ 2222 EM	-	110	200	53	418	494	3800	3300	8.43
NUP 2222 EM	-		200	53	418	494	3800	3300	8.52
NU 322 EM	-		240	50	504	513	3200	2900	11.5
NJ 322 EM	-		240	50	504	513	3200	2900	11.8
NUP 322 EM	-		240	50	504	513	3200	2900	12.0
N 322 EM	-		240	50	504	513	3200	2900	11.3
NU 2322 EM	-		240	80	741	855	3200	2900	18.7
NJ 2322 EM	-		240	80	741	855	3200	2900	19.0
NUP 2322 EM	-		240	80	741	855	3200	2900	19.2
NU 422 M	-		280	65	505	556	3000	2500	22.3
NJ 422 M	-		280	65	505	556	3000	2500	22.6
NU 1024 M	-	120	180	28	127	174	4000	3600	2.58
NJ 1024 M	-		180	28	127	174	4000	3600	2.63
NF 1024 M	-		180	28	127	174	3990	3600	2.61
NU 224 EM	-		215	40	371	409	3400	3000	6.31
NJ 224 EM	-		215	40	371	409	3400	3000	6.59
NUP 224 EM	-		215	40	371	409	3400	3000	6.72
N 224 EM	-		215	40	371	409	3400	3000	6.27
NU 2224 EM	-		215	58	494	599	3400	3000	9.38
NJ 2224 EM	-		215	58	494	599	3400	3000	9.53
NUP 2224 EM	-		215	58	494	599	3400	3000	9.67
NU 324 EM	-		260	55	580	589	3000	2700	15.0
NJ 324 EM	-		260	55	580	589	3000	2700	15.3
NUP 324 EM	-		260	55	580	589	3000	2700	15.6
N 324 EM	-		260	55	580	589	3000	2700	14.8
NU 2324 EM	-		260	86	869	988	3000	2700	23.5
NJ 2324 EM	-		260	86	869	988	3000	2700	23.9
NUP 2324 EM	-		260	86	869	988	3000	2700	24.2

3 表格 / Tables

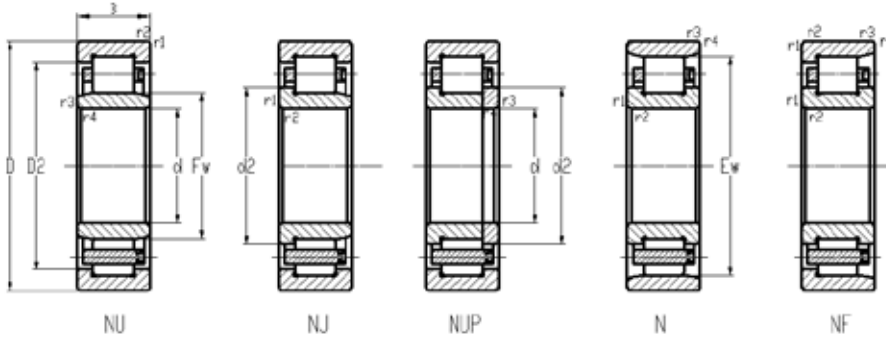
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



尺寸				挡肩及倒角尺寸								计算系数	斜挡圈			
Diameter				Shoulder & Chamfer Size								Calculation Coefficient	Thrust Collar			
				最小	最小	最小	最大	最小	最大	最大	最大		型号	重量	尺寸	
	≈	≈	Ew (Fw)	r1,2	r3,4	da	da	db, Da	Da	ra	rb	k _r	Type	Weight	B1	B2
d	d2	D2		mm	mm	mm	mm	mm	mm	mm	mm			kg	mm	mm
110	141	174	132.5	2.1	2.1	122	129	145	188	2	2	0.2	-	-	-	-
	141	174	132.5	2.1	2.1	122	-	145	188	2	2	0.2	-	-	-	-
	-	201	143	3	3	124	139	146	226	2.5	2.5	0.15	-	-	-	-
	155	201	143	3	3	124	139	159	226	2.5	2.5	0.15	-	-	-	-
	155	201	143	3	3	124	-	159	226	2.5	2.5	0.15	-	-	-	-
	155	-	211	3	3	124	208	215	226	2.5	2.5	0.15	-	-	-	-
	-	201	143	3	3	124	139	146	226	2.5	2.5	0.25	-	-	-	-
	155	201	143	3	3	124	139	159	226	2.5	2.5	0.25	-	-	-	-
	155	201	143	3	3	124	-	159	226	2.5	2.5	0.25	-	-	-	-
	-	217	155	4	4	130	150	158	260	3	3	0.15	-	-	-	-
	171	217	155	4	4	130	150	158	260	3	3	0.15	-	-	-	-
120	-	159	135	2	1.1	126	133	138	171	2	1	0.1	-	-	-	-
	140.5	159	135	2	1.1	126	133	144	171	2	1	0.1	-	-	-	-
	140.5	159	135	2	1.1	126	133	144	171	2	1	0.1	-	-	-	-
	-	188	143.5	2.1	2.1	132	140	146	203	2	2	0.15	HJ224E	0.7	11	17
	153	188	143.5	2.1	2.1	132	140	156	203	2	2	0.15	HJ224E	0.7	11	17
	153	188	143.5	2.1	2.1	132	-	156	203	2	2	0.15	-	-	-	-
	153	-	195.5	2.1	2.1	132	192	199	203	2	2	0.15	-	-	-	-
	-	188	143.5	2.1	2.1	132	140	146	203	2	2	0.2	-	-	-	-
	153	188	143.5	2.1	2.1	132	140	156	203	2	2	0.2	-	-	-	-
	153	188	143.5	2.1	2.1	132	-	156	203	2	2	0.2	-	-	-	-
	-	219	154	3	3	134	150	157	246	2.5	2.5	0.15	-	-	-	-
	168	219	154	3	3	134	150	171	246	2.5	2.5	0.15	-	-	-	-
	168	219	154	3	3	134	-	171	246	2.5	2.5	0.15	-	-	-	-
	168	-	230	3	3	134	226	234	246	2.5	2.5	0.15	-	-	-	-
	-	219	154	3	3	134	150	157	246	2.5	2.5	0.25	-	-	-	-
	168	219	154	3	3	134	150	171	246	2.5	2.5	0.25	-	-	-	-
	168	219	154	3	3	134	-	171	246	2.5	2.5	0.25	-	-	-	-

3 表格 / Tables

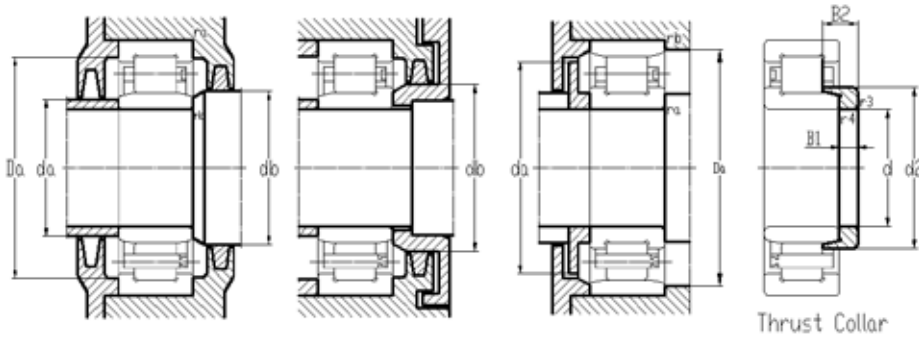
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
标准保持架	其它保持架	d	D	B	动态	静态	油	脂	标准保持架
					Dynamic	Static	Oil	Grease	with Standard Cage
with Standard Cage	with other Cage	mm	mm	mm	C	C ₀	rpm	rpm	kg
NU 424 M	-	120	310	72	644	698	2700	2300	30.7
NJ 424 M	-		310	72	644	698	2700	2300	31.1
NU 1026 M	-	130	200	33	165	213	3800	3400	3.88
NJ 1026 M	-		200	33	165	213	3800	3400	3.94
NUP 1026 M	-		200	33	165	213	3800	3400	3.98
NU 226 EM	-		230	40	394	432	3200	2900	7.40
NJ 226 EM	-		230	40	394	432	3200	2900	7.44
NUP 226 EM	-		230	40	394	432	3200	2900	7.52
N 226 EM	-		230	40	394	432	3200	2900	7.37
NU 2226 EM	-		230	64	580	698	3200	2900	11.7
NJ 2226 EM	-		230	64	580	698	3200	2900	11.9
NUP 2226 EM	-		230	64	580	698	3200	2900	12.1
NU 326 EM	-		280	58	684	713	2900	2300	18.2
NJ 326 EM	-		280	58	684	713	2900	2300	18.5
NUP 326 EM	-		280	58	684	713	2900	2300	18.8
N 326 EM	-		280	58	684	713	2900	2300	18.0
NU 2326 EM	-		280	93	1010	1190	2900	2300	29.3
NJ 2326 EM	-		280	93	1010	1190	2900	2300	29.7
NUP 2326 EM	-		280	93	1010	1190	2900	2300	29.9
NU 1028 M	-	140	210	33	163	233	3600	3200	4.11
NJ 1028 M	-		210	33	163	233	3600	3200	4.18
NUP 1028 M	-		210	33	163	233	3600	3200	4.26
NU 228 EM	-		250	42	428	485	3000	2700	9.32
NJ 228 EM	-		250	42	428	485	3000	2700	9.45
NUP 228 EM	-		250	42	428	485	3000	2700	9.53
N 228 EM	-		250	42	428	485	3000	2700	9.26
NU 2228 EM	-		250	68	622	789	3000	2700	14.7
NJ 2228 EM	-		250	68	622	789	3000	2700	15.4

3 表格 / Tables

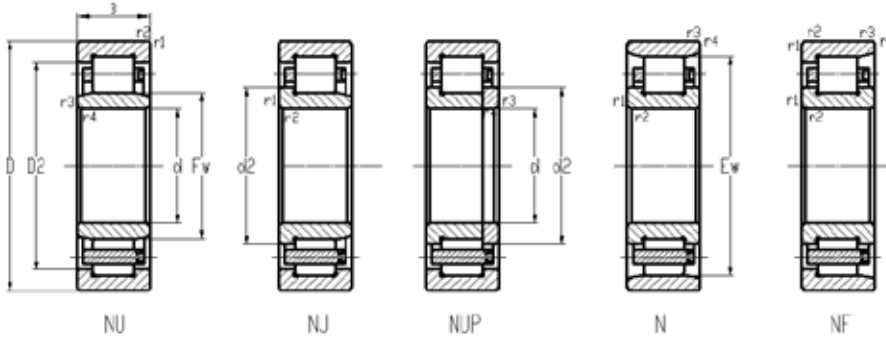
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



尺寸				挡肩及倒角尺寸								计算系数	斜挡圈			
Diameter				Shoulder & Chamfer Size								Calculation Coefficient	Thrust Collar			
				最小	最小	最小	最大	最小	最大	最大	最大		型号	重量	尺寸	
	≈	≈		min	min	min	max	min	max	max	max		Type	Weight	Size	
d	d2	D2	Ew (Fw)	r1,2	r3,4	da	da	db, Da	Da	ra	rb	k _r			B1	B2
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			kg	mm	mm
120	-	240	170	5	5	144	165	173	286	4	4	0.15	-	-	-	-
	188	240	170	5	5	144	165	191	286	4	4	0.15	-	-	-	-
130	-	175	148	2	1.2	136	145	151	191	2	1	0.1	-	-	-	-
	154.2	175	148	2	1.2	136	145	157	191	2	1	0.1	-	-	-	-
	154.2	175	148	2	1.2	136	145	157	191	2	1	0.1	-	-	-	-
	-	202	153.5	3	3	144	150	156	216	2.5	2.5	0.15	-	-	-	-
164	202	153.5	3	3	144	150	167	216	216	2.5	2.5	0.15	-	-	-	-
	164	202	153.5	3	3	144	-	167	216	2.5	2.5	0.15	-	-	-	-
	164	-	209.5	3	3	144	206	213	216	2.5	2.5	0.15	-	-	-	-
	-	202	153.5	3	3	144	150	156	216	2.5	2.5	0.2	-	-	-	-
	164	202	153.5	3	3	144	150	167	216	2.5	2.5	0.2	-	-	-	-
	164	202	153.5	3	3	144	-	167	216	2.5	2.5	0.2	-	-	-	-
	-	236	167	4	4	147	163	170	263	3	3	0.15	-	-	-	-
	181	236	167	4	4	147	163	185	263	3	3	0.15	-	-	-	-
	181	236	167	4	4	147	163	185	263	3	3	0.15	-	-	-	-
	181	-	247	4	4	147	243	251	263	3	3	0.15	-	-	-	-
	-	236	167	4	4	147	163	170	263	3	3	0.25	HJ2326E	0.197	14	28
	181	236	167	4	4	147	163	185	263	3	3	0.25	HJ2326E	0.197	14	28
	181	236	167	4	4	147	163	185	263	3	3	0.25	-	-	-	-
140	-	185	158	2	1.1	146	155	161	201	2	1	0.1	-	-	-	-
	164.2	185	158	2	1.1	146	155	168	201	2	1	0.1	-	-	-	-
	164.2	185	158	2	1.1	146	155	168	201	2	1	0.1	-	-	-	-
	-	217	169	3	3	154	166	172	236	2.5	25	0.15	-	-	-	-
	179	217	169	3	3	154	166	183	236	2.5	25	0.15	-	-	-	-
	179	217	169	3	3	154	-	183	236	2.5	25	0.15	-	-	-	-
	179	-	225	3	3	154	221	228	236	2.5	25	0.15	-	-	-	-
	-	217	169	3	3	154	166	172	236	2.5	25	0.2	-	-	-	-
	179	217	169	3	3	154	166	183	236	2.5	25	0.2	-	-	-	-

3 表格 / Tables

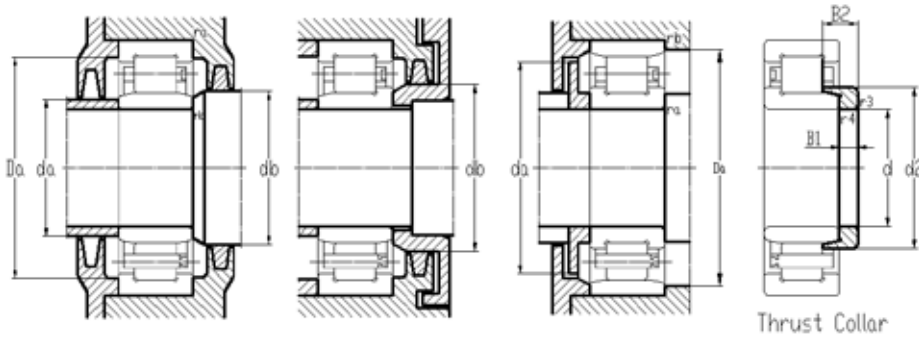
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
标准保持架	其它保持架	d	D	B	动态	静态	油	脂	标准保持架
					Dynamic	Static	Oil	Grease	with Standard Cage
with Standard Cage	with other Cage	mm	mm	mm	kN	kN	rpm	rpm	kg
NUP 2228 EM	-	140	250	68	622	789	3000	2700	15.9
N 2228 EM	-		250	68	622	789	3000	2700	14.5
NU 328 EM	-		300	62	741	789	2700	2300	22.3
NJ 328 EM	-		300	62	741	789	2700	2300	22.6
NUP 328 EM	-		300	62	741	789	2700	2300	22.9
NU 2328 EM	-		300	102	1140	1360	2700	2300	36.8
NJ 2328 EM	-		300	102	1140	1360	2700	2300	37.3
NUP 2328 EM	-		300	102	1140	1360	2700	2300	37.6
NU 1030 M	-	150	225	35	184	261	3200	2900	5.09
NJ 1030 M	-		225	35	184	261	3200	2900	5.11
NUP 1030 M	-		225	35	184	261	3200	2900	5.13
NU 230 EM	-		270	45	485	570	2700	2300	11.6
NJ 230 EM	-		270	45	485	570	2700	2300	11.8
NUP 230 EM	-		270	45	485	570	2700	2300	12.0
N 230 EM	-		270	45	485	570	2700	2300	11.5
NU 2230 EM	-		270	73	698	884	2700	2300	18.6
NJ 2230 EM	-		270	73	698	884	2700	2300	19.0
NU 330 EM	-		320	65	855	917	2500	2100	26.6
NJ 330 EM	-		320	65	855	917	2500	2100	27.0
N 330 EM	-		320	65	855	917	2500	2100	26.4
NU 2330 EM	-		320	108	1300	1550	2500	2100	44.2
NJ 2330 EM	-		320	108	1300	1550	2500	2100	44.9
NU 1032 M	-	160	240	38	218	309	3000	2700	6.08
NJ 1032 M	-		240	38	218	309	3000	2700	6.19
NU 232 EM	-		290	48	556	646	2500	2100	14.4
NJ 232 EM	-		290	48	556	646	2500	2100	14.6
NUP 232 EM	-		290	48	556	646	2500	2100	14.8
N 232 EM	-		290	48	556	646	2500	2100	14.2

3 表格 / Tables

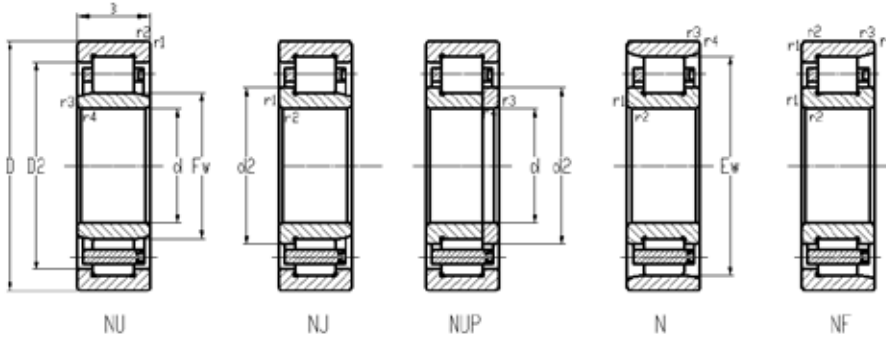
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



尺寸				挡肩及倒角尺寸								计算系数	斜挡圈			
Diameter				Shoulder & Chamfer Size								Calculation Coefficient	Thrust Collar			
				最小	最小	最小	最大	最小	最大	最大	最大		型号	重量	尺寸	
	≈	≈	Ew (Fw)	r1,2	r3,4	da	da	db, Da	Da	ra	rb	k _r	Type	Weight	Size	
d	d2	D2		mm	mm	mm	mm	mm	mm	mm	mm			kg	B1	B2
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				mm	mm
140	179	217	169	3	3	154	-	183	236	2.5	25	0.2	-	-	-	-
	179	-	225	3	3	154	221	228	236	2.5	25	0.2	-	-	-	-
	-	252	180	4	4	157	176	183	283	3	3	0.15	-	-	-	-
	195	252	180	4	4	157	176	183	283	3	3	0.15	-	-	-	-
	195	252	180	4	4	157	-	183	283	3	3	0.15	-	-	-	-
	-	252	180	4	4	157	176	183	283	3	3	0.25	-	-	-	-
150	195	252	180	4	4	157	176	183	283	3	3	0.25	-	-	-	-
	195	252	180	4	4	157	-	183	283	3	3	0.25	-	-	-	-
	-	198	169.5	2.1	1.5	157	167	173	215	2	1.5	0.1	-	-	-	-
	176.1	198	169.5	2.1	1.5	157	167	179	215	2	1.5	0.1	-	-	-	-
	176.1	198	169.5	2.1	1.5	157	167	179	215	2	1.5	0.1	-	-	-	-
	-	234	182	3	3	163	178	185	256	2.5	2.5	0.15	-	-	-	-
160	193	234	182	3	3	163	178	197	256	2.5	2.5	0.15	-	-	-	-
	193	234	182	3	3	163	-	197	256	2.5	2.5	0.15	-	-	-	-
	193	-	242	3	3	240	245	197	256	2.5	2.5	0.15	-	-	-	-
	-	234	182	3	3	163	178	185	256	2.5	2.5	0.2	-	-	-	-
	193	234	182	3	3	163	178	197	256	2.5	2.5	0.2	-	-	-	-
	-	270	193	4	4	167	189	196	303	3	3	0.15	-	-	-	-
160	209	270	193	4	4	167	189	196	303	3	3	0.15	-	-	-	-
	209	-	283	4	4	280	286	196	303	3	3	0.15	-	-	-	-
	-	270	193	4	4	167	189	196	303	3	3	0.25	HJ2330E	2.61	15	31.5
	209	270	193	4	4	167	189	196	303	3	3	0.25	HJ2330E	2.61	15	31.5
	188	211	180	2.1	1.5	167	177	183	230	2	1.5	0.1	-	-	-	-
	-	250	195	3	3	174	191	198	276	2.5	2.5	0.15	-	-	-	-
160	206	250	195	3	3	174	191	210	276	2.5	2.5	0.15	-	-	-	-
	206	250	195	3	3	174	-	210	276	2.5	2.5	0.15	-	-	-	-
	206	-	259	3	3	174	255	263	276	2.5	2.5	0.15	-	-	-	-
	206	-	259	3	3	174	255	263	276	2.5	2.5	0.15	-	-	-	-

3 表格 / Tables

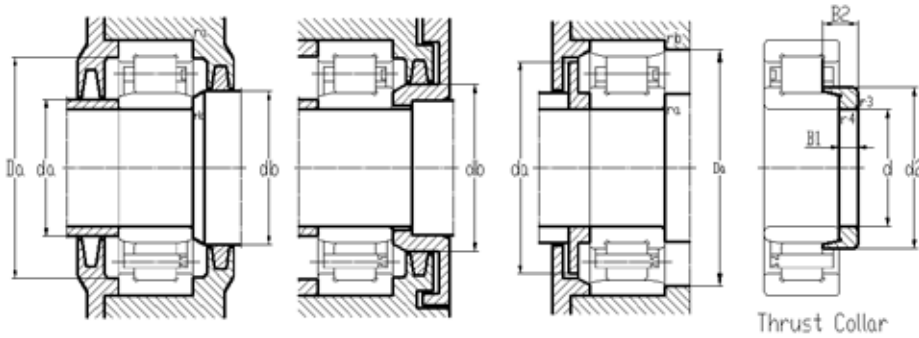
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
标准保持架	其它保持架	d	D	B	动态	静态	油	脂	标准保持架
					Dynamic	Static	Oil	Grease	with Standard Cage
with Standard Cage	with other Cage	mm	mm	mm	kN	kN	rpm	rpm	kg
NU 2232 EM	-	160	290	80	884	1140	2500	2100	23.9
NJ 2232 EM	-		290	80	884	1140	2500	2100	24.3
N 2232 EM	-		290	80	884	1140	2500	2100	23.7
NU 332 EM	-		340	68	950	1030	2300	1900	31.5
NJ 332 EM	-		340	68	950	1030	2300	1900	32.0
N 332 EM	-		340	68	950	1030	2300	1900	31.2
NU 2332 EM	-		340	114	1190	1640	2300	1900	52.8
NJ 2332 EM	-		340	114	1190	1640	2300	1900	53.5
N 2332 EM	-		340	114	1190	1640	2300	1900	52.6
NU 1034 M	-	170	260	42	261	380	2900	2500	8.32
NJ 1034 M	-		260	42	261	380	2900	2500	8.46
NU 234 EM	-		310	52	660	774	2300	1900	17.8
NJ 234 EM	-		310	52	660	774	2300	1900	18.1
NUP 234 EM	-		310	52	660	774	2300	1900	18.3
N 234 EM	-		310	52	660	774	2300	1900	17.6
NU 2234 EM	-		310	86	1010	1270	2300	1900	28.0
NJ 2234 EM	-		310	86	1010	1270	2300	1900	28.7
NU 334 EM	-		360	72	904	1120	2100	1600	36.7
NJ 334 EM	-		360	72	904	1120	2100	1600	37.3
N 334 EM	-		360	72	904	1120	2100	1600	36.4
NU 2334 EM	-		360	120	1380	1940	2100	1600	61.5
NJ 2334 EM	-		360	120	1380	1940	2100	1600	61.9
NU 1036 M	-	180	280	46	319	451	2700	2300	10.8
NU 236 EM	-		320	52	684	808	3000	2700	18.6
NJ 236 EM	-		320	52	684	808	3000	2700	18.9
NUP 236 EM	-		320	52	684	808	3000	2700	19.2
NU 2236 EM	-		320	86	1050	1360	3000	2700	30.5
NJ 2236 EM	-		320	86	1050	1360	3000	2700	31.2

3 表格 / Tables

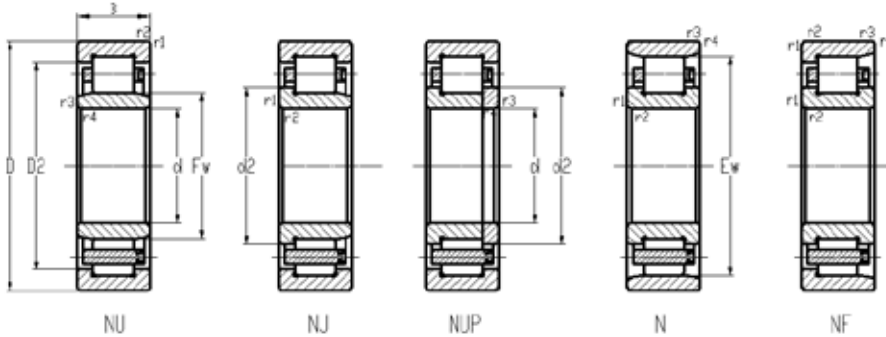
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



尺寸				挡肩及倒角尺寸								计算系数	斜挡圈			
Diameter				Shoulder & Chamfer Size								Calculation Coefficient	Thrust Collar			
				最小	最小	最小	最大	最小	最大	最大	最大		型号	重量	尺寸	
	≈	≈	Ew (Fw)	r1,2	r3,4	da	da	db, Da	Da	ra	rb	k _r	Type	Weight	Size	
d	d2	D2		mm	mm	mm	mm	mm	mm	mm	mm			kg	B1 mm	B2 mm
160	-	252	193	3	3	174	190	196	276	2.5	2.5	0.2	-	-	-	-
	205	252	193	3	3	174	190	210	276	2.5	2.5	0.2	-	-	-	-
	205	-	259	3	3	174	255	263	276	2.5	2.5	0.2	-	-	-	-
	-	286	204	4	4	177	200	207	323	3	3	0.15	-	-	-	-
	221	286	204	4	4	177	200	207	323	3	3	0.15	-	-	-	-
	221	-	300	4	4	177	296	304	323	3	3	0.15	-	-	-	-
	-	286	204	4	4	177	200	207	323	3	3	0.25	-	-	-	-
	221	286	204	4	4	177	200	207	323	3	3	0.25	-	-	-	-
	221	-	261	4	4	177	258	265	323	3	3	0.25	-	-	-	-
	170	-	227	193	2.1	2.1	180	190	196	250	2	2	0.1	-	-	-
201		227	193	2.1	2.1	180	190	204	250	2	2	0.1	-	-	-	-
-		268	207	4	4	187	203	210	293	3	3	0.15	-	-	-	-
220		268	207	4	4	187	203	224	293	3	3	0.15	-	-	-	-
220		268	207	4	4	187	-	224	293	3	3	0.15	-	-	-	-
220		-	279	4	4	187	203	224	293	3	3	0.15	-	-	-	-
-		270	205	4	4	187	200	208	293	3	3	0.2	-	-	-	-
218		270	205	4	4	187	200	222	293	3	3	0.2	-	-	-	-
-		303	218	4	4	187	214	221	343	3	3	0.15	-	-	-	-
236		303	218	4	4	187	214	234	343	3	3	0.15	-	-	-	-
180	-	244	205	2.1	2.1	190	202	208	270	2	2	0.1	-	-	-	-
	-	279	217	4	4	197	213	220	303	3	3	0.15	-	-	-	-
	230	279	217	4	4	197	213	234	303	3	3	0.15	-	-	-	-
	230	279	217	4	4	197	-	234	303	3	3	0.15	-	-	-	-
	-	280	215	4	4	197	210	218	303	3	3	0.2	-	-	-	-
	229	280	215	4	4	197	210	233	303	3	3	0.2	-	-	-	-

3 表格 / Tables

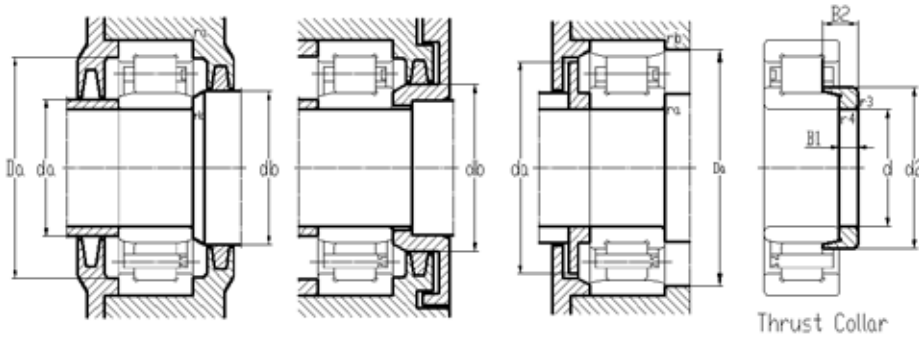
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
标准保持架	其它保持架	d	D	B	动态	静态	油	脂	标准保持架
					Dynamic	Static	Oil	Grease	with Standard Cage
with Standard Cage	with other Cage	mm	mm	mm	C	C ₀	rpm	rpm	kg
NU 336 EM	-	180	380	75	969	1230	2100	1700	42.4
NJ 336 EM	-		380	75	969	1230	2100	1700	43.0
NU 2336 EM	-		380	126	1530	2130	2100	1700	70.8
NJ 2336 EM	-		380	126	1530	2130	2100	1700	71.7
NU 1038 M	-	190	290	46	330	475	2700	2300	11.3
NU 238 EM	-		340	55	760	917	2900	2400	22.5
NJ 238 EM	-		340	55	760	917	2900	2400	22.9
N 238 EM	-		340	55	760	917	2900	2400	23.2
NU 2238 EM	-		340	92	1160	1520	2900	2500	38.0
NJ 2238 EM	-		340	92	1160	1520	2900	2500	38.3
NU 338 EM	-		400	78	1080	1425	1900	1500	50.6
NU 2338 EM	-		400	132	1740	2423	1900	1500	81.5
NJ 2338 EM	-		400	132	1740	2423	1900	1500	82.9
NU 1040 M	-	200	310	51	361	542	2500	2100	14.6
NJ 1040 M	-		310	51	361	542	2500	2100	14.8
NU 240 EM	-		360	58	808	969	2700	2100	26.9
NJ 240 EM	-		360	58	808	969	2700	2100	27.3
NUP 240 EM	-		360	58	808	969	2700	2100	27.7
NU 2240 EM	-		360	98	1300	1710	2700	2100	44.9
NU 340 EM	-		420	80	1170	1550	2300	1900	58.2
NU 2340 EM	-		420	138	1880	2660	2300	1900	93.2
NJ 2340 EM	-		420	138	1880	2660	2300	1900	95.0
NU 1044 M	-	220	340	56	461	698	2300	1900	19.0
NU 244 EM	-		400	65	1010	1230	2300	1900	36.8
NJ 244 EM	-		400	65	1010	1230	2300	1900	37.4
NUP 244 EM	-		400	65	1010	1230	2300	1900	37.9
NU 2244 EM	-		400	108	1490	2170	2300	1900	61.0
NU 344 M	-		460	88	1150	1550	1600	1200	72.6

3 表格 / Tables

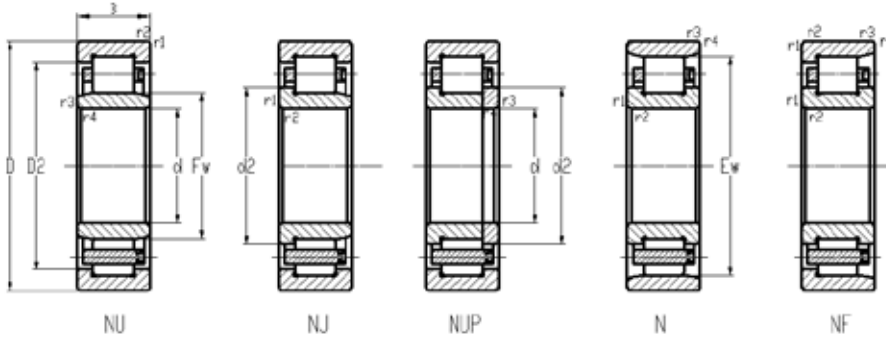
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



尺寸				挡肩及倒角尺寸								计算系数	斜挡圈			
Diameter				Shoulder & Chamfer Size								Calculation Coefficient	Thrust Collar			
				最小	最小	最小	最大	最小	最大	最大	最大		型号	重量	尺寸	
	≈	≈		min	min	min	max	min	max	max	max		Type	Weight	Size	
d	d2	D2	Ew (Fw)	r1,2	r3,4	da	da	db, Da	Da	ra	rb	k _r			B1	B2
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			kg	mm	mm
180	-	319	231	4	4	197	223	235	363	3	3	0.15	-	-	-	-
	249.7	319	231	4	4	197	223	254	363	3	3	0.15	-	-	-	-
	-	320	231	4	4	197	223	235	363	3	3	0.25	-	-	-	-
	249.7	320	231	4	4	197	223	254	363	3	3	0.25	-	-	-	-
190	-	254	215	2.1	2.1	200	212	218	280	2	2	0.1	-	-	-	-
	-	295	230	4	4	207	226	234	323	3	3	0.15	-	-	-	-
	244	295	230	4	4	207	226	248	323	3	3	0.15	-	-	-	-
	244	295	230	4	4	207	-	248	323	3	3	0.15	-	-	-	-
	-	297	228	4	4	207	222	232	323	3	3	0.2	-	-	-	-
	242.4	297	228	4	4	207	222	246	323	3	3	0.2	-	-	-	-
	-	338	245	5	5	210	240	249	380	4	4	0.15	-	-	-	-
	-	341	240	5	5	210	235	244	380	4	4	0.25	-	-	-	-
	264.4	341	240	5	5	210	235	259	380	4	4	0.25	-	-	-	-
200	-	269	229	2.1	2.1	210	225	233	299	2	2	0.1	-	-	-	-
	239	269	229	2.1	2.1	210	225	242	299	2	2	0.1	-	-	-	-
	-	312	243	4	4	217	239	247	343	3	3	0.15	-	-	-	-
	258	312	243	4	4	217	239	262	343	3	3	0.15	-	-	-	-
	258	312	243	4	4	217	-	262	343	3	3	0.15	-	-	-	-
	-	313	241	4	4	217	235	245	343	3	3	0.2	-	-	-	-
	-	337	260	5	5	220	253	264	400	4	4	0.15	-	-	-	-
	-	353	247	5	5	220	241	251	400	4	4	0.25	-	-	-	-
	278	353	247	5	5	220	241	280	400	4	4	0.25	-	-	-	-
220	262	297	250	3	3	233	246	254	327	2.5	2.5	0.1	-	-	-	-
	-	344	268	4	4	237	264	270	383	3	3	0.15	-	-	-	-
	284	344	268	4	4	237	264	288	383	3	3	0.15	-	-	-	-
	284	344	268	4	4	237	-	288	383	3	3	0.15	-	-	-	-
	-	349	259	4	4	237	255	264	383	3	3	0.2	-	-	-	-
	-	371	284	5	5	240	277	288	440	4	4	0.15	-	-	-	-

3 表格 / Tables

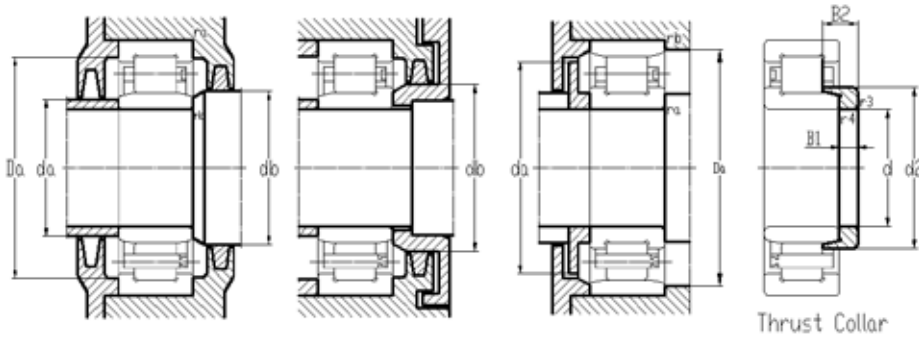
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
标准保持架	其它保持架	d	D	B	动态	静态	油	脂	标准保持架
					Dynamic	Static	Oil	Grease	with Standard Cage
with Standard Cage	with other Cage	mm	mm	mm	C	C ₀	rpm	rpm	kg
NJ 344 M	-	220	460	88	1150	1550	1600	1200	73.7
NU 2344 EM	-		460	145	2260	3280	1600	1200	119
NU 1048 M	-	240	360	56	497	760	2500	2100	20.0
NU 248 M	-		440	72	904	1300	2100	1700	51.9
NJ 248 M	-		440	72	904	1300	2100	1700	52.3
NUP 248 M	-		440	72	904	1300	2100	1700	53.8
NU 2248 M	-		440	120	1380	2240	2100	1700	83.3
NJ 2248 M	-		440	120	1380	2240	2100	1700	84.2
NU 348 M	-		500	95	1380	1900	1500	1100	94.8
NJ 348 M	-		500	95	1380	1900	1500	1100	96.1
NU 2348 EM	-		500	155	2470	3470	1500	1100	94.8

3 表格 / Tables

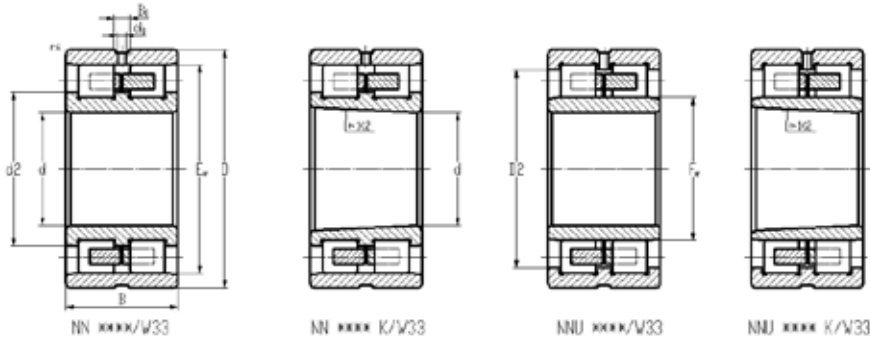
3.15 单列圆柱滚子轴承 / Single Row Cylindrical Roller Bearings



尺寸				挡肩及倒角尺寸								计算系数	斜挡圈			
Diameter				Shoulder & Chamfer Size								Calculation Coefficient	Thrust Collar			
				最小	最小	最小	最大	最小	最大	最大	最大		型号	重量	尺寸	
	≈	≈		min	min	min	max	min	max	max	max		Type	Weight	Size	
d	d2	D2	Ew (Fw)	r1,2	r3,4	da	da	db, Da	Da	ra	rb	k _r			B1	B2
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			kg	mm	mm
220	307	371	284	5	5	240	277	311	440	4	4	0.15	-	-	-	-
	-	384	277	5	5	240	268	280	440	4	4	0.25	-	-	-	-
240	-	317	270	3	3	253	266	274	347	2.5	2.5	0.1	-	-	-	-
	-	365	295	4	4	257	288	299	423	3	3	0.15	-	-	-	-
	313	365	295	4	4	257	288	317	423	3	3	0.15	-	-	-	-
	313	365	295	4	4	257	-	317	423	3	3	0.15	-	-	-	-
	-	365	295	4	4	257	288	299	423	3	3	0.2	-	-	-	-
	313	365	295	4	4	257	288	317	423	3	3	0.2	-	-	-	-
	-	401	310	5	5	260	302	314	480	4	4	0.15	-	-	-	-
	335	401	310	5	5	260	302	339	480	4	4	0.15	-	-	-	-
	-	426	299	5	5	260	295	305	480	4	4	0.25	-	-	-	-

3 表格 / Tables

3.16 双列圆柱滚子轴承 / Double Row Cylindrical Roller Bearings



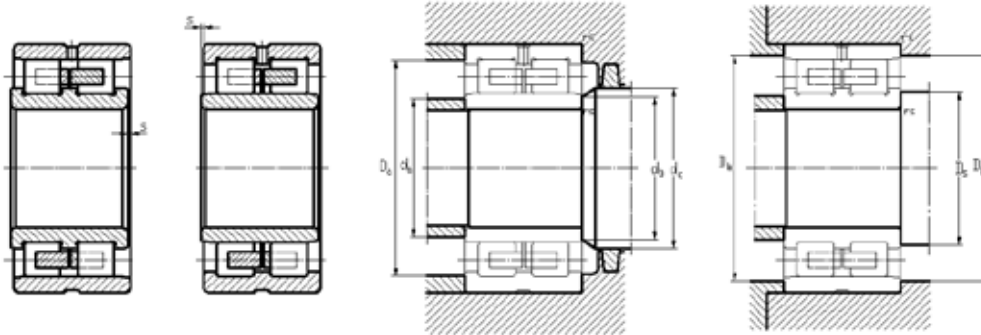
型号	尺寸			基本额定负荷		极限转速		重量
Code	Dimension			Load Rating		Limiting Speed		Weight
标准保持架	d	D	B	动态	静态	油	脂	标准保持架
				Dynamic	Static	Oil	Grease	with Standard Cage
with Standard Cage	d	D	B	C	C ₀	rpm	rpm	kg
	mm	mm	mm	kN	kM			
NN 3006 K/W33	30	55	19	38.0	46.0	17000	15000	0.195
NN 3018 K/W33	90	140	37	138	216	6200	5200	2.03
NN 3020 K/W33	100	150	37	151	250	5800	4900	2.20
NN 3020/W33		150	37	151	250	5800	4900	2.27
NN 3024 K	120	180	46	233	392	4600	4000	4.08
NN 3028 K/W33	140	210	53	314	552	3000	2900	6.24
NNU 4934 K/W33	170	230	60	328	674	3400	2900	6.92
NNU 4936 K/W33	180	250	69	402	816	3300	2600	9.76
NNU 4938 K/W33	190	260	69	407	843	2900	2400	10.2
NNU 4940 K/W33	200	280	80	513	1070	2900	2300	14.4
NN 3040 K/W33		310	82	665	1190	2800	2200	24.3
NNU 4944 K/W33	220	300	80	532	1150	2700	2100	16.5
NN 3044 K/W33		340	90	875	1620	2600	2000	33.9
NNU 4952 K/W33	260	360	100	811	1810	2300	1800	29.6
NN 4952 K/W33		360	100	811	1810	2300	1800	29.3

s¹⁾ = 内外圈出于正常位置时，其之间允许的轴向位移量

s¹⁾ = allowed displacement of inner and outer ring, when inner and outer ring at normal position

3 表格 / Tables

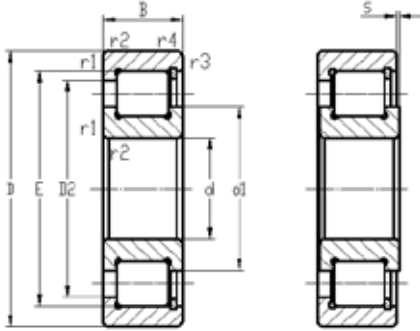
3.16 双列圆柱滚子轴承 / Double Row Cylindrical Roller Bearings



尺寸								挡肩及倒角尺寸						
Diameter								Shoulder & Chamfer Size						
	≈	≈		最小	最小			最大	最小	最小	最大	最小	最大	最大
d	d2	D2	Ew (Fw)	r1,2	r3,4	s ¹⁾		da	db	dc	Da	Db	Db	rs
mm	mm	mm	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	mm
30	29	-	36.8	0.6	0.6	1.5		-	24	-	-	49	50	0.6
90	109.4	-	127	1.5	1.5	2.5		-	98	-	-	129	132	1.5
100	119.4	-	137	1.5	1.5	2.5		-	108	-	-	139	142	1.5
	119.4	-	137	1.5	1.5	2.5		-	108	-	-	139	142	1.5
120	142.6	-	165	2	2	3		-	129	-	-	167	171	2
140	166.4	-	192	2	2	3		-	149	-	-	194	201	2
170	-	211	188.5	2	2	2		186	179	192	221	-	-	2
180	-	228.2	202	2	2	3		199	189	208	241	-	-	2
190	-	238.2	212	2	2	3		209	199	215	251	-	-	2
200	-	254.4	225	2.1	2.1	3		222	211	228	269	-	-	2
	241.2	-	282	2.1	2.1	7		-	211	-	-	285	299	2
220	-	274.5	245	2.1	2.1	3		242	231	248	289	-	-	2
	264	-	310	3	3	6		-	231	-	-	313	327	2.5
260	-	328	336	2.1	2.1	3		288	271	296	349	-	-	2
	300	-	292	2.1	2.1	3		-	271	-	-	339	349	2

3 表格 / Tables

3.17 NCF型圆柱滚子轴承 / Cylindrical Roller Bearings, NCF Type



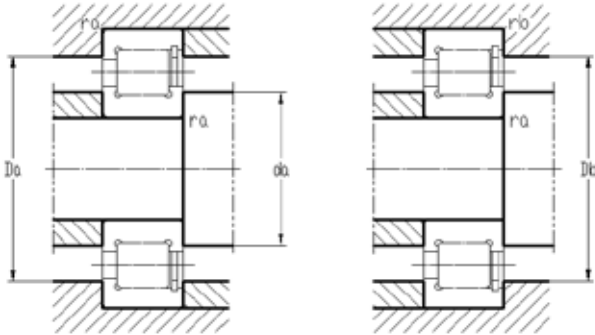
型号 Code / Type	尺寸 Dimension			基本额定负荷 Load Rating		极限转速 Limiting Speed		重量 Weight
	d mm	D mm	B mm	动态 Dynamic	静态 Static	油 Oil	脂 Grease	kg
				C	C ₀	rpm	rpm	
				kN	kN	rpm	rpm	
NCF 3004 CV	20	42	16	26.1	26.5	8200	6600	0.110
NCF 1005 V	25	47	12	21.0	21.8	7600	6200	0.0918
NCF 3005 CV		47	16	29.7	33.1	7600	6200	0.122
NCF 205 V		52	15	32.5	21.7	7600	6200	0.151
NCF 2305 V		62	24	56.8	61.8	6200	4800	0.402
NCF 3006 CV	30	55	19	35.7	39.7	7100	5700	0.220
NCF 206 EV		62	16	47.3	48.7	7100	5700	0.224
NCF 3007 CV	35	62	20	43.7	50.5	6400	5000	0.265
NCF 307 EV		80	21	74.8	84.1	6400	5000	0.558
NCF 3008 CV	40	68	21	51.6	62.7	5700	4600	0.317
NCF 208 EV		80	18	66.5	70.9	5700	4600	0.409
NCF 308 EV		90	23	92.4	96.0	4800	3600	0.707
NCF 3009 CV	45	75	23	57.5	74.1	5000	4100	0.420
NCF 3010 CV	50	80	23	72.7	93.1	4800	3800	0.440
NCF 3011 CV	55	90	26	100	133	4100	3200	0.640
NCF 2912 V	60	85	16	52.3	76.0	4300	3400	0.295
NCF 3012 CV		95	26	101	139	3800	2900	0.695
NCF 2913 V	65	90	16	55.4	83.6	3800	3000	0.309
NCF 3013 CV		100	26	106	155	3600	2900	0.740
NCF 2914 V	70	100	19	72.7	10	3600	2900	0.490
NCF 3014 CV		110	30	122	164	3400	2700	1.05
NCF 2915 V	75	105	19	75.2	119	3400	2700	0.520
NCF 3015 CV		115	30	127	181	3000	2500	1.09
NCF 2916 V	80	110	19	76.9	125	3200	2500	0.550
NCF 2916X3 V		114	20	76.0	127	3200	2500	0.672
NCF 3016 CV		125	34	157	217	2900	2300	1.45
NCF 2917 V	85	120	22	969	158	3000	2500	0.810
NCF 3017 CV		130	34	163	224	2900	2300	1.55

s¹⁾ = 内外圈出于正常位置时，其之间允许的轴向位移量

s¹⁾ = allowed displacement of inner and outer ring, when inner and outer ring at normal position

3 表格 / Tables

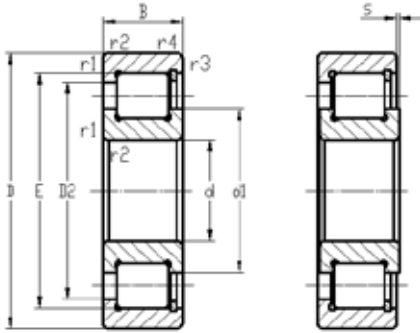
3.17 NCF型圆柱滚子轴承 / Cylindrical Roller Bearings, NCF Type



尺寸							挡肩及倒角尺寸				
Diameter							Shoulder & Chamfer Size				
	≈	≈		最小	最小		最小	最大	最大	最大	最大
d	d2	D2	E	r1,2	r3,4	s ¹⁾	da	Da	Db	ra	rb
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
20	29	33	36.8	0.6	0.6	1.5	24	38	40	0.6	0.6
25	32.8	39.5	41.77	0.6	0.6	0.8	30	42	44	0.6	0.6
	34	39	42.5	0.6	0.6	1.5	31	43	45	0.6	0.6
	35	42	46.54	1	1	0.8	32	47	49	1	1
	39	49.4	53	1.1	1.1	0.8	36	54	56	1.1	1.1
30	40	45	49.6	1	1	2	35	50	52	1	1
	41.3	52	55.6	1	1	1	36.5	57	59	1	1
35	45	51	55.5	1	1	2	40	57	59	1	1
	51.1	66.3	70.38	1.5	1.5	1	46	71	74	1.5	1.5
40	50.4	57.4	61.8	1	0.6	2	45	63	65	1	1
	53.8	67.6	71.7	1.1	1.1	0.8	48.5	72.5	75	1.1	1.1
	59.6	75.1	81.6	1.5	1.5	0.8	54	80	83	1.5	1.5
45	55	62	66.9	1	1	2	50	70	72	1	1
50	59	68	72.3	1	1	2	55	75	77	1	1
55	68	79	83.5	1.1	1.1	2	61	84	86	1	1
60	69	74.5	78.65	1	1	1	65	80	80	1	1
	71	82	86.7	1.1	1.1	2	66	89	91	1	1
65	75.5	81	85.35	1	1	1	70	85	85	1	1
	78	88	93.1	1.1	1.1	2	71	94	96	1	1
70	80.5	88.5	92.5	1	1	1	75	95	95	1	1
	81	95	100.3	1.1	1.1	3	76	104	106	1	1
75	86	93	97.6	1	1	1	80	100	100	1	1
	89	103	107.9	1.1	1.1	3	81	109	111	1	1
80	90.5	99	102.7	1	1	1	85	105	105	1	1
	94.6	102.2	105.8	1	1	1	89	108	108	1	1
	95	111	117	1.1	1.1	4	86	119	121	1	1
85	96	105	109.7	1.1	1.1	1	91	114	114	1	1
	99	116	121.4	1.1	1.1	4	91	124	126	1	1

3 表格 / Tables

3.17 NCF型圆柱滚子轴承 / Cylindrical Roller Bearings, NCF Type



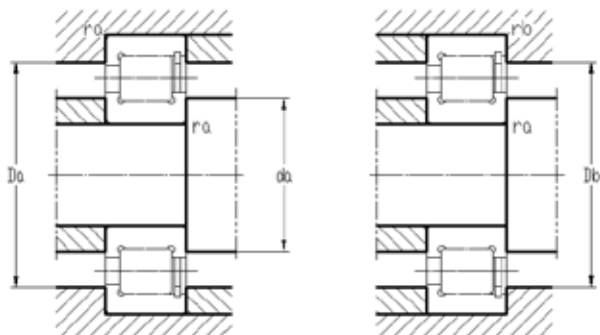
型号	尺寸			基本额定负荷		极限转速		重量
Code / Type	Dimension			Load Rating		Limiting Speed		Weight
				动态	静态	油	脂	
				Dynamic	Static	Oil	Grease	
	d	D	B	C	C ₀			
	mm	mm	mm	kN	kN	rpm	rpm	kg
NCF 2918 V	90	125	22	100	167	2900	2300	0.840
NCF 3018 CV		140	37	188	266	2700	2100	1.95
NCF 2920 V	100	140	24	122	190	2500	1900	1.15
NCF 3020 CV		150	37	199	195	2500	1900	2.12
NCF 2922 V	110	150	24	127	209	2300	1800	1.24
NCF 3022 CV		170	45	261	380	2100	1600	3.58
NCF 2924 CV	120	165	27	163	276	2100	1600	1.77
NCF 3024 CV		180	46	277	418	2100	1600	3.96
NCF 2124X2 V		200	52	380	587	1600	1100	6.37
NCF 2224 V		215	58	486	698	1600	1100	9.07
NCF 2925X3 V	125	165	26	127	268	2000	1500	1.56
NCF 2926 V	130	180	30	195	342	1900	1500	2.38
NCF 3026 CV		200	52	392	589	1800	1400	5.92
NCF 2928 V	140	190	30	209	371	1800	1400	2.45
NCF 3028 CV		210	53	418	646	1700	1300	6.10
NCF 2228 V		250	68	658	969	1400	1000	14.6
NCF 2930 V	150	210	36	277	466	1600	1200	3.79
NCF 3030 CV		225	56	434	675	1500	1100	7.48
NCF 2230 V		270	73	752	1120	1300	950	18.7
NCF 2932 V	160	220	36	288	504	1500	1100	4.04
NCF 3032 CV		240	60	486	760	1400	1000	9.18
NCF 2232 V		290	80	941	1430	1140	902.5	23.1
NCF 2934 V	170	230	36	298	532	1400	1000	4.43
NCF 3034 CV		260	67	637	1010	1300	950	12.4
NCF 2234 V		310	86	1050	1620	1000	700	28.7
NCF 2936 V	180	250	42	371	660	1300	950	6.25
NCF 3036 CV		280	74	742	1190	1200	850	16.7
NCF 2938 V	190	260	42	418	741	1300	950	6.56
NCF 3038 CV	190	290	75	752	1230	1200	850	17.5
NCF 2238 V		340	92	1190	1800	950	570	35.7

s¹⁾ = 内外圈出于正常位置时，其之间允许的轴向位移量

s¹⁾ = allowed displacement of inner and outer ring, when inner and outer ring at normal position

3 表格 / Tables

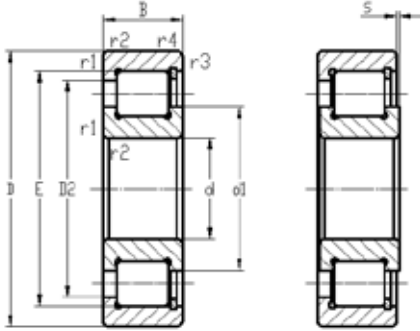
3.17 NCF型圆柱滚子轴承 / Cylindrical Roller Bearings, NCF Type



尺寸							挡肩及倒角尺寸				
Diameter							Shoulder & Chamfer Size				
	≈	≈		最小	最小		最小	最大	最大	最大	最大
d	d2	D2	E	r1,2	r3,4	s ¹⁾	da	Da	Db	ra	rb
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
90	102	111	115.6	1.1	1.1	1	96	119	119	1	1
	106	124	130.1	1.5	1.5	4	97	133	135	1.5	1.5
100	114	126	130.6	1.1	1.1	1.5	106	134	134	1	1
	115	134	139.7	1.5	1.5	4	107	143	145	1.5	1.5
110	124	136	141.1	1.1	1.1	1.5	126	159	159	1	1
	127	149	156.1	2	2	5.5	130	170	175	2	2
120	136	149	154.3	1.1	1.1	1.5	126	159	159	1	1
	139	160	167.6	2	2	5.5	130	170	175	2	2
125	147.6	172.4	180	2	2	1	138	162	167	2	2
	150	184	192.32	2.1	2.1	4	131	204	204	2	2
	140.5	149.5	153.116	1.1	1.1	1	135	155	155	1	1
130	147	161	167.1	1.5	1.5	2	137	173	173	1.5	1.5
	149	175	183	2	1	5.5	140	190	195	2	1
140	158	173	180	1.5	1.5	2	137	173	173	1.5	1.5
	163	189	197	2	1	5.5	150	200	205	2	1
	173	212	221.9	3	3	5	143	217	217	2.5	2.5
150	169	189	196.4	2	2	2.5	159	201	201	2	2
	170	198	206	2.1	1.1	7	161	214	234	2	1
160	184	227	236.7	3	3	6	153	137	137	2.5	2.5
	180	200	207.2	2	2	2.5	169	211	211	2	2
	185	215	224	2.1	1.1	7	171	229	304	2	1
170	208	255	266.4	3	3	6	163	274	274	2.5	2.5
	191	211	218	2	2	2.5	179	221	221	2	2
	198	232	242	2.1	1.1	7	171	229	304	2	1
180	219	269	281.1	4	4	7	185	295	295	3	3
	203	223	232	2	2	2.5	189	241	241	2	2
	212	248	260	2.1	2.1	7	191	269	269	2	2
190	212	236	244	2	2	2.5	199	251	251	2	2
	222	258	269	2.1	2.1	9	201	279	279	2	2
190	243	296	311	4	4	7	205	325	325	3	3

3 表格 / Tables

3.17 NCF型圆柱滚子轴承 / Cylindrical Roller Bearings, NCF Type



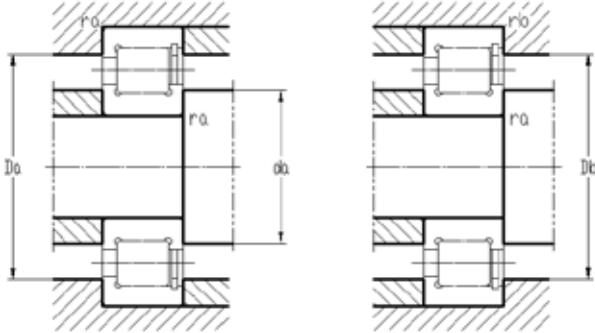
型号	尺寸			基本额定负荷		极限转速		重量
Code / Type	Dimension			Load Rating		Limiting Speed		Weight
				动态	静态	油	脂	
				Dynamic	Static	Oil	Grease	
	d	D	B	C	C ₀			
	mm	mm	mm	kN	kN	rpm	rpm	kg
NCF 1840 V	200	250	24	167	318	1300	950	2.71
NCF 2940 V		280	48	502	917	1200	850	9.08
NCF 3040 V		310	82	867	1450	1100	750	22.3
NCF 1844 V	220	270	24	174	347	1140	760	2.87
NCF 2944 V		300	48	523	1010	1140	760	9.97
NCF 3044 CV		340	90	1030	1710	1000	650	29.5
NCF 2244 V		400	108	1740	2610	800	450	58.5
NCF 1848 V	240	300	28	247	485	1000	700	4.45
NCF 2948 V		320	48	554	1080	1000	700	10.8
NCF 3048 CV		360	92	1080	1860	950	650	32.1
NCF 1852 V	260	320	28	257	523	950	650	4.68
NCF 2952 V		360	60	700	1360	900	570	18.6
NCF 3052 CV		400	104	1460	2420	850	570	46.5
NCF 1856 V	280	350	33	324	660	900	570	7.02
NCF 2956 V		380	60	836	1640	850	570	19.5
NCF 3056 V		420	106	1490	2520	800	500	51.2
NCF 1860 V	300	380	38	397	808	800	470	9.80
NCF 2960 V		420	72	1060	2090	760	470	31.4
NCF 3060 CV		460	118	1800	3090	700	380	69.4
NCF 1864 V	320	400	38	418	855	760	470	10.2
NCF 2964 V		440	72	1080	2240	700	380	33.4
NCF 3064 V		480	121	1880	3280	670	330	74.2

s¹⁾ = 内外圈出于正常位置时，其之间允许的轴向位移量

s¹⁾ = allowed displacement of inner and outer ring, when inner and outer ring at normal position

3 表格 / Tables

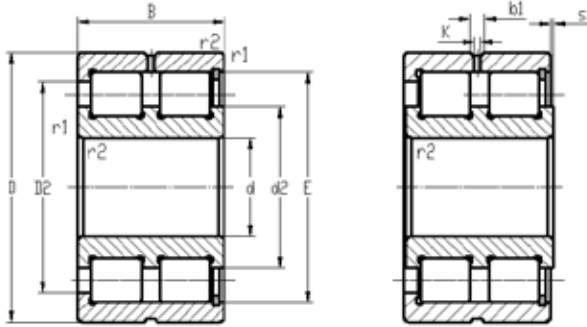
3.17 NCF型圆柱滚子轴承 / Cylindrical Roller Bearings, NCF Type



	尺寸							挡肩及倒角尺寸				
	Diameter							Shoulder & Chamfer Size				
		≈	≈		最小	最小		最小	最大	最大	最大	最大
	d	d ₂	D ₂	E	r _{1,2}	r _{3,4}	s ¹⁾	d _a	D _a	D _b	r _a	r _b
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
200	218	231	237.5	1.5	1.1	1.8	207	243	245	1.5	1	
	226	253	262	2.1	2.1	3	211	269	269	2	2	
	237	275	287	2.1	2.1	9	211	299	299	2	2	
220	238	252	258	1.5	1.1	1.8	227	263	265	1.5	1	
	247	274	283	2.1	2.1	3	231	289	289	2	2	
	255	298	312	3	3	9	233	327	327	2.5	2.5	
	277	349	366	4	4	8	235	385	385	3	3	
240	263	279	287	2	1.1	1.8	249	291	295	2	1	
	267	294	303	2.1	2.1	3	251	309	309	2	2	
	278	321	335	3	3	11	253	347	347	2.5	2.5	
260	283	299	307.2	2	1.1	1.8	270	310	315	2	1	
	291	323	333	2.1	2.1	3.5	271	349	349	2	2	
	304	358	376	4	4	11	275	385	385	3	3	
280	307	325	334	2	1.1	2.5	289	341	344	2	1	
	314	348	359.1	2.1	2.1	3.5	291	369	369	2	2	
	319	373	391	4	4	11	295	405	405	3	3	
300	331	353	363	2.1	1.5	3	311	369	373	2	1.5	
	341	375	390.5	3	3	5	313	407	407	2.5	2.5	
	355	413	433	4	4	14	315	445	445	3	3	
320	351	373	383	2.1	1.5	3	331	389	393	2	1.5	
	359	401	411	3	3	5	333	427	427	2.5	2.5	
	368	434	449	4	4	14	335	465	465	3	3	

3 表格 / Tables

3.18 NNCF型圆柱滚子轴承 / Cylindrical Roller Bearings, NNCF Type



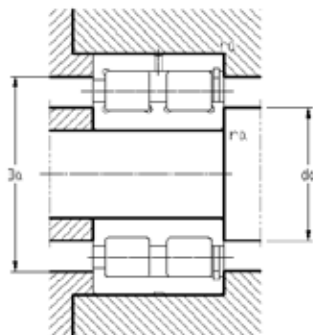
型号 Code	尺寸 Dimension			基本额定负荷 Load Rating		极限转速 Limiting Speed		重量 Weight
	d mm	D mm	B mm	动态 Dynamic	静态 Static	油 Oil	脂 Grease	kg
				C	C ₀	rpm	rpm	
				kN	kN	rpm	rpm	
NNCF 5006 V	30	55	34	73.7	88.0	7500	6000	0.360
NNCF 5007 V	35	62	36	89.7	112	6700	5300	0.450
NNCF 5008 V	40	68	38	106	140	6000	4800	0.570
NNCF 5009 V	45	75	40	112	156	5300	4300	0.690
NNCF 5010 V	50	80	40	142	196	5000	4000	0.790
NNCF 5011 V	55	90	46	190	280	4300	3400	1.21
NNCF 4912 V	60	85	25	78.1	137	4500	3600	0.530
NNCF 5012 V		95	46	198	300	4000	3400	1.21
NNCF 5013 V	65	100	46	209	325	3800	3000	1.35
NNCF 4914 V	70	100	30	114	193	3800	3000	0.750
NNCF 5014 V		110	54	238	345	3600	2800	1.91
NNCF 5015 V	75	115	54	251	380	3200	2600	1.91
NNCF 4916 V	80	110	30	121	216	3400	2600	0.860
NNCF 5016 V		125	60	308	455	3000	2400	2.62
NNCF 5017 V	85	130	60	314	475	3000	2400	2.70
NNCF 4918 V	90	125	35	161	300	3000	2400	1.33
NNCF 5018 V		140	67	369	560	2800	2200	3.65
NNCF 4920 V	100	140	40	209	400	2600	2000	2.04
NNCF 5020 V		150	67	391	620	2600	2000	3.92
NNCF 4922 V	110	150	40	220	430	2400	1900	2.18
NNCF 5022 V		170	80	512	800	2200	1800	6.26
NNCF 4924 V	120	165	45	242	480	2200	1700	2.93
NNCF 5024 V		180	80	539	880	2000	1700	6.74
NNCF 4926 V	130	180	50	275	530	2000	1600	3.98
NNCF 5026 V		200	95	765	1250	1900	1500	10.5
NNCF 4928 V	140	190	50	286	570	1900	1500	4.25

s¹⁾ = 内外圈出于正常位置时，其之间允许的轴向位移量

s¹⁾ = allowed displacement of inner and outer ring, when inner and outer ring at normal position

3 表格 / Tables

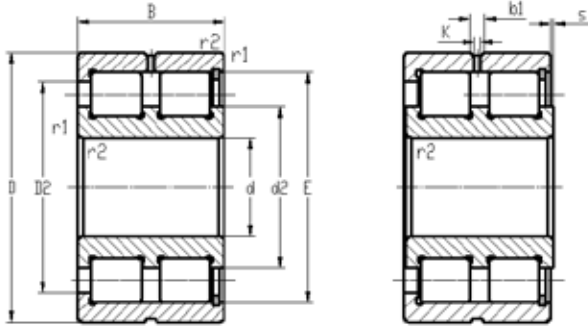
3.18 NNCF型圆柱滚子轴承 / Cylindrical Roller Bearings, NNCF Type



尺寸						挡肩及倒角尺寸				
Diameter						Shoulder & Chamfer Size				
						最小		最小	最大	最大
	≈	≈				min		min	max	max
d	d2	D2	E	b1	K	r1,2	S ¹⁾	da	Da	ra
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
30	40	45.3	49.6	4.5	3	1	1.5	34.6	50.4	1
35	44.9	51.3	55.52	4.5	3	1	1.5	39.6	57.4	1
40	50.5	57.2	61.74	4.5	3	1	1.5	44.6	63.4	1
45	55.3	62.5	66.85	4.5	3	1	1.5	49.6	70.4	1
50	59.1	67.6	72.23	4.5	3	1	1.5	54.6	75.4	1
55	68.5	78.7	83.54	4.5	3.5	1.1	1.5	61	84	1
60	70.5	73.5	77.51	4.5	3.5	1	1	64.6	80.4	1
	71.7	81.9	86.74	4.5	3.5	1.1	1.5	66	89	1
65	78.1	88.3	93.09	4.5	3.5	1.1	1.5	71	94	1
70	83	87	91.87	4.5	3.5	1	1	74.6	95.4	1
	81.5	95	100.28	5	3.5	1.1	3	76	104	1
75	89	103	107.9	5	3.5	1.1	3	81	109	1
80	91.4	96	97.78	5	3.5	1	1	84.6	105.4	1
	95	111	116.99	5	3.5	1.1	3.5	86	119	1
85	99	117	121.44	5	3.5	1.1	3.5	91	124	1
90	103	111	113.2	5	3.5	1.1	1.5	96	119	1
	106	124	130.11	5	3.5	1.5	4	97	133	1
100	116	125	129.6	5	3.5	1.1	2	106	134	1
	115	134	139.65	6	3.5	1.5	4	107	143	1.5
110	124	134	138.2	6	3.5	1.1	2	116	144	1
	127	149	156.13	6	3.5	2	5	120	160	2
120	138	149	153.55	6	3.5	1.1	3	126	159	1
	138	161	167.58	6	3.5	2	5	130	170	2
130	148	160	165.4	6	3.5	1.5	4	137	173	1.5
	149	175	183.81	7	4	2	5	140	190	2
140	159	171	175.9	6	3.5	1.5	4	147	183	1.5

3 表格 / Tables

3.18 NNCF型圆柱滚子轴承 / Cylindrical Roller Bearings, NNCF Type



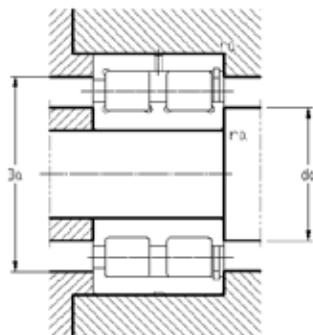
型号 Code	尺寸 Dimension			基本额定负荷 Load Rating		极限转速 Limiting Speed		重量 Weight
	d mm	D mm	B mm	动态 Dynamic	静态 Static	油 Oil	脂 Grease	kg
				C	C ₀			
				kN	kN	rpm	rpm	
NNCF 5028 V	140	210	95	809	1370	1800	1400	11.3
NNCF 4830 V	150	190	40	255	585	1800	1400	2.67
NNCF 4930 V		210	60	429	830	1700	1300	6.63
NNCF 5030 V		225	100	842	1430	1700	1300	13.2
NNCF 4832 V	160	200	40	260	610	1700	1300	2.94
NNCF 4932 V		220	60	446	915	1600	1200	7.06
NNCF 5032 V		240	109	952	1600	1500	1100	16.1
NNCF 4834 V	170	215	45	286	655	1600	1200	3.87
NNCF 4934 V		230	60	457	950	1500	1100	7.36
NNCF 5034 V		260	122	1230	2120	1400	1100	22.8
NNCF 4836 V	180	225	45	297	695	1500	1100	4.07
NNCF 4936 V		250	69	594	1220	1400	1100	10.7
NNCF 5036 V		280	136	1420	2500	1300	1000	30.4
NNCF 4838 V	190	240	50	330	750	1400	1100	5.35
NNCF 4938 V		260	69	594	1220	1400	1100	11.3
NNCF 5038 V		290	136	1470	2600	1300	1000	31.8
NNCF 4840 V	200	250	50	336	800	1400	1100	5.52
NNCF 4940 V		280	80	704	1500	1300	1000	15.6
NNCF 5040 V		310	150	1680	3050	1200	900	41.2
NNCF 4844 V	220	270	50	352	865	1200	900	5.90
NNCF 4944 V		300	80	737	1600	1200	900	17.2
NNCF 4848 V	240	300	60	539	1290	1100	800	9.13
NNCF 4948 V		320	80	781	1760	1100	800	18.4
NNCF 4852 V	260	320	60	561	1400	1000	700	9.67
NNCF 4952 V		360	100	1170	2550	950	650	32.3

s¹⁾ = 内外圈出于正常位置时，其之间允许的轴向位移量

s¹⁾ = allowed displacement of inner and outer ring, when inner and outer ring at normal position

3 表格 / Tables

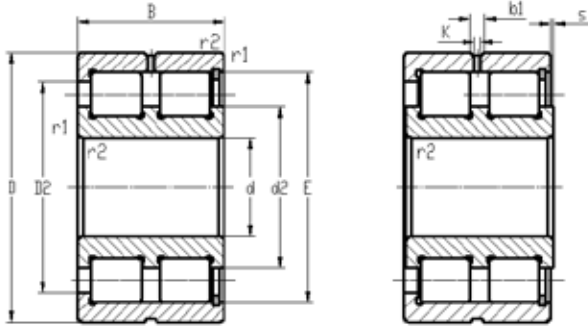
3.18 NNCF型圆柱滚子轴承 / Cylindrical Roller Bearings, NNCF Type



	尺寸						挡肩及倒角尺寸				
	Diameter						Shoulder & Chamfer Size				
		≈	≈				最小		最小	最大	最大
	d	d2	D2	E	b1	K	r1,2	S ¹⁾	da	Da	ra
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
140	163	189	197.82	7	4	2	5	150	200	2	
150	166	173	178.3	7	4	1.1	2	156	184	1	
	170	187	192.77	7	4	2	4	160	200	2	
	170	198	206.8	7	4	2	6	160	215	2	
160	174	182	186.9	7	4	1.1	2	171	189	1	
	184	200	206.16	7	4	2	4	170	210	2	
	184	216	224.8	7	4	2.1	6	171	229	2	
170	187	196	201.3	7	4	1.1	3	176	209	1	
	193	209	215.08	7	4	2	4	180	220	2	
	198	232	243	7	4	2.1	6	181	249	2	
180	200	209	214.1	7	4	1.1	3	186	219	1	
	205	224	230.5	7	4	2	4	190	240	2	
	212	249	260.5	8	4	2.1	8	191	269	2	
190	209	219	225	7	4	1.5	4	197	233	1.5	
	215	234	240.7	7	4	2	4	200	250	2	
	222	258	270	8	4	2.1	8	201	279	2	
200	220	230	235.5	7	4	1.5	4	207	243	1.5	
	230	252	259.3	8	4	2.1	5	211	269	2	
	236	276	288	8	4	2.1	9	211	299	2	
220	241	251	256.5	7	4	1.5	4	227	263	1.5	
	247	269	276.52	8	4	2.1	5	231	289	2	
240	261	275	281.9	8	4	2	4	250	290	2	
	270	292	299.46	8	4	2.1	5	251	309	2	
260	283	297	304.2	8	4	2	4	270	310	2	
	294	322	331.33	9.4	5	2.1	6	271	349	2	

3 表格 / Tables

3.18 NNCF型圆柱滚子轴承 / Cylindrical Roller Bearings, NNCF Type



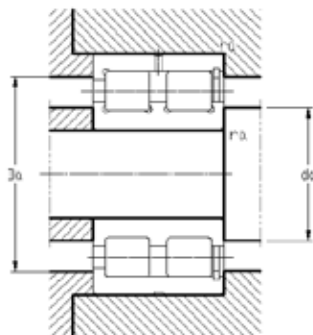
型号 Code	尺寸 Dimension			基本额定负荷 Load Rating		极限转速 Limiting Speed		重量 Weight
	d mm	D mm	B mm	动态 Dynamic	静态 Static	油 Oil	脂 Grease	kg
				C	C ₀			
				kN	kN	rpm	rpm	
NNCF 4856 V	280	350	69	737	1860	950	650	15.2
NNCF 4956 V		380	100	1210	2700	900	600	34.3
NNCF 4860 V	300	380	80	858	2120	850	600	21.9
NNCF 4960 V		420	118	1680	3750	800	550	53.5
NNCF 4864 V	320	400	80	897	2280	800	550	22.8
NNCF 4964 V		440	118	1760	4050	750	500	56.3
NNCF 4868 V	340	420	80	913	2400	750	500	25.4
NNCF 4968 V		460	118	1790	4250	700	450	59.6

s¹⁾ = 内外圈出于正常位置时，其之间允许的轴向位移量

s¹⁾ = allowed displacement of inner and outer ring, when inner and outer ring at normal position

3 表格 / Tables

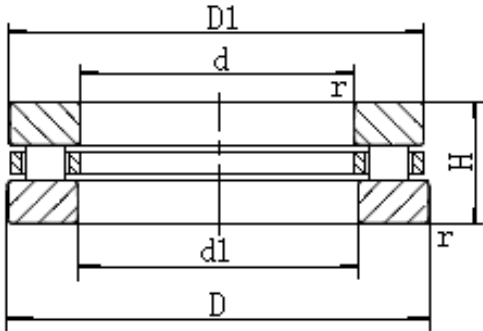
3.18 NNCF型圆柱滚子轴承 / Cylindrical Roller Bearings, NNCF Type



尺寸						挡肩及倒角尺寸				
Diameter						Shoulder & Chamfer Size				
						最小		最小	最大	最大
	≈	≈				min		min	max	max
d	d2	D2	E	b1	K	r1,2	S ¹⁾	da	Da	ra
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
280	309	326	332.4	8	4	2	4	290	340	2
	316	344	353.34	9.4	5	2.1	6	291	369	2
300	329	349	356.7	9.4	5	2.1	6	311	369	2
	340	374	385.51	9.4	5	3	6	315	405	2.5
320	352	372	379.7	9.4	5	2.1	6	331	389	2
	368	400	412.27	9.4	5	3	6	335	425	2.5
340	369	389	396.9	9.4	5	2.1	6	351	409	2
	386	418	430.11	9.4	5	3	6	355	445	2.5

3 表格 / Tables

3.19 单向推力圆柱滚子轴承 / Cylindrical Roller Thrust Bearings (onedirectional)



型号		尺寸			基本额定负荷	
Code		Dimension			Load Rating	
新	旧	d	D	H	动态	静态
					Dynamic	Static
new	old	mm	mm	mm	C	C ₀
					kN	kN
81132	9132	160.0	200.0	31.0	170	860
81134	9134	170.0	215.0	34.0	291	1280
70TP130		177.8	279.4	50.8	800	3460
81136	9136	180.0	225.0	34.0	270	1200
81240	9240	200.0	280.0	62.0	760	2910
89444X2		220.0	420.0	125.0	2460	10340
89444X3			440.0	130.0	2750	10210
81248	9248	240.0	340.0	78.0	1120	4410
89352		260.0	420.0	95.0	1770	7440
81256	9256	280.0	380.0	80.0	1160	4890
89456			520.0	145.0	3500	18250
81160	9160	300.0	380.0	62.0	920	4290
81164	9164	320.0	400.0	63.0	880	4650
81172	9172	360.0	440.0	65.0	880	4510
81272	9272		500.0	110.0	2130	9220
81276	9276	380.0	520.0	112.0	2190	9620
81184	9184	420.0	500.0	65.0	1040	5850
81188	9188	440.0	540.0	80.0	1200	6420
89190X3		450.0	610.0	70.0	1900	5825
81192	9192	460.0	560.0	80.0	1530	7800
81196	9196	480.0	580.0	80.0	1530	8470
811/500	91/500	500.0	600.0	80.0	1630	9330
811/530	91/530	530.0	640.0	85.0	1600	9400
811/600	91/600	600.0	710.0	85.0	1800	11600
891/600	90091/600		710.0	67.0	1490	9910
811/670	91/670	670.0	800.0	105.0	2590	15370
871/710	75491/710	710.0	850.0	63.0	1440	13657
891/750	90091/750	750.0	900.0	90.0	2330	17160

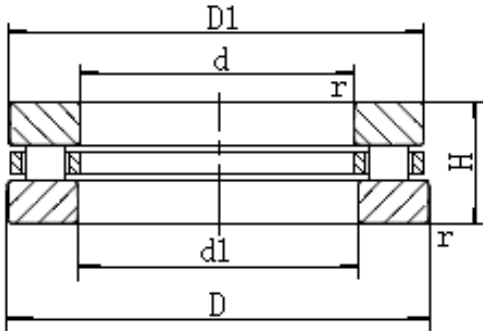
3 表格 / Tables

3.19 单向推力圆柱滚子轴承 / Cylindrical Roller Thrust Bearings (onedirectional)

尺寸			重量
Diameter			Weight
		最小	
		min	
d1	D1	r	
mm	mm	mm	kg
162.0	199	1.0	2.40
172.0	213	1.1	3.22
180.2	277	3.2	11.77
183.0	222	1.1	3.10
204.0	277	2.0	12.26
222.0	419	6.0	86.40
224.0	439	6.0	104.00
244.0	335	2.1	23.00
264.0	416	5.0	52.60
284.0	375	2.0	26.50
283.0	516	5.0	151.60
304.0	376	2.0	17.50
324.0	395	2.0	18.90
364.0	436	2.0	19.50
365.0	495	4.0	66.30
385.0	515	4.0	69.50
424.0	495	2.0	26.00
444.0	535	2.1	41.38
455.0	605	2.1	61.20
464.0	555	2.1	42.78
484.0	575	2.1	44.90
505.0	595	2.1	47.60
535.0	635	3.0	54.40
605.0	705	3.0	61.20
604.0	706	3.0	50.20
675.0	795	4.0	102.50
714.0	848	4.0	79.00
755.0	895	4.0	113.40

3 表格 / Tables

3.19 单向推力圆柱滚子轴承 / Cylindrical Roller Thrust Bearings (onedirectional)



型号		尺寸			基本额定负荷	
Code		Dimension			Load Rating	
新	旧	d	D	H	动态	静态
					Dynamic	Static
new	old	mm	mm	mm	C	C ₀
					kN	kN
891/800	90091/800	800.0	950.0	90.0	1360	9440
871/850	75491/850	850.0	1000.0	67.0	1864	17480
972/900	75492/900	900.0	1180.0	125.0	5300	50459
811/980	91/980	980.0	1150.0	120.0	3900	28660
872/1060	75492/1060	1060.0	1400.0	155.0	8950	79388
871/1180	75491/1180	1180.0	1400.0	100.0	4430	48664

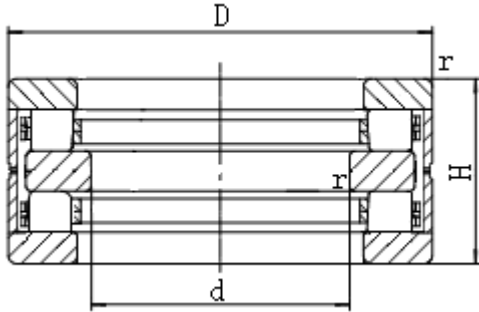
3 表格 / Tables

3.19 单向推力圆柱滚子轴承 / Cylindrical Roller Thrust Bearings (onedirectional)

尺寸			重量
Diameter			Weight
		最小	
		min	
d1	D1	r	
mm	mm	mm	kg
800.0	950	4.0	105.00
855.0	995	4.0	97.10
902.0	1180	7.5	386.00
985.0	1145	4.0	237.70
1065.0	1400	9.5	689.00
1185.0	1395	6.0	311.00

3 表格 / Tables

3.20 双向推力圆柱滚子轴承 / Cylindrical Roller Thrust Bearings (bidirectional)



型号 Code	尺寸 Dimension			基本额定载荷 Load Rating	
	d	D	H	动态	静态
				Dynamic	Static
				C	C ₀
mm	mm	mm	kN	kN	
59736	180.0	250.0	50	246	1290
59736/YA		250.0	50	203	1010
59936		320.0	62	380	1450
59744/YA	220.2	330.0	70	405	2400
59750/YA	250.0	360.0	65	457	2828
59850		380.0	80	420	2035
59752	260.0	400.0	70	600	3690
59852		370.0	70	400	1300
59852/YA		360.0	65	467	2830
59756	280.0	420.0	100	735	3934
59856		420.0	100	551	2950
59760	300.0	460.0	80	780	5070
59760/YB2		459.5	80	780	5070
59764	320.0	450.0	95	780	4560
59864/YA		460.0	100	755	4450
59768	340.0	470.0	146	1024	4833
59370	350.0	520.0	100	888	2590

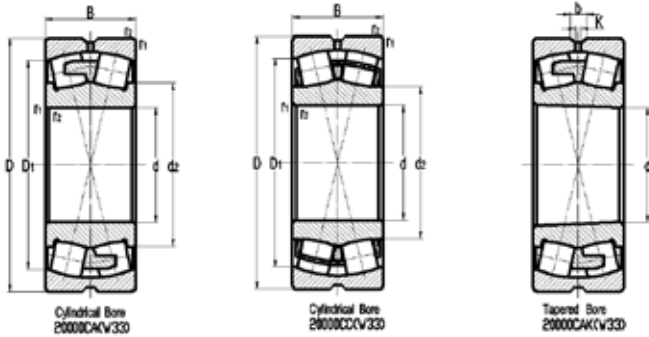
3 表格 / Tables

3.20 双向推力圆柱滚子轴承 / Cylindrical Roller Thrust Bearings (bidirectional)

	尺寸	重量
	Diameter	Weight
	最小	
	min	
	r	
	mm	kg
	1.0	8.20
	1.1	8.20
	2.0	23.70
	2.0	24.10
	2.1	23.60
	1.5	34.70
	1.5	35.20
	1.5	26.50
	2.1	20.00
	2.1	53.40
	3.0	50.04
	3.0	53.50
	3.0	53.52
	3.0	58.00
	3.0	60.30
	3.0	71.04
	2.0	80.60

3 表格 / Tables

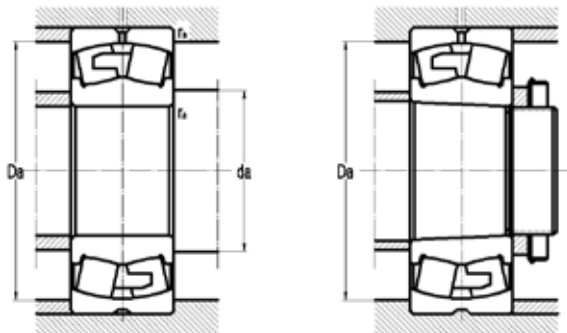
3.21 调心滚子轴承 / Spherical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
圆柱孔	圆锥孔	d	D	B	动态	静态	油	脂	
					Dynamic	Static	Oil	Grease	
Cylindrical Bore	Tapered Bore	d	D	B	C	C ₀			
		mm	mm	mm	kN	kN	rpm	rpm	kg
22205 CA	22205 CAK	25	52	18	40.0	41.3	11000	8100	0.26
22205 CC	22205 CCK		52	18	39.9	41.0	11000	8100	0.26
21305 CA	21305 CAK		62	17	42.8	41.8	8000	5900	0.28
22206 CA	22206 CAK	30	62	20	60.8	57.0	9300	6400	0.29
22206 CC	22206 CCK		62	20	60.8	57.0	9300	6400	
21306 CC	21306 CCK		72	19	60.8	58.0	6600	5200	0.41
22207 CA	22207 CAK	35	72	23	82.2	80.8	7900	5700	0.45
22207 CC	22207 CCK		72	23	82.2	80.8	7900	5700	0.46
21307 CA	21307 CAK		80	21	72.7	68.4	6300	4700	0.55
22208 CA	22208 CAK	40	80	23	73.1	80.8	7000	5100	0.53
22208 CC	22208 CCK		80	23	91.7	85.5	7000	5100	0.52
21308 CA	21308 CAK		90	23	98.8	103	6300	4000	0.75
21308 CC	21308 CCK		90	23	98.8	103	6300	4400	0.74
22308 CA	22308 CAK		90	33	143	133	5300	3900	1.05
22308 CC	22308 CCK		90	33	143	133	5300	3900	1.05
22209 CA	22209 CAK	45	85	23	96.9	93.1	6600	4800	0.58
22209 CC	22209 CCK		85	23	96.9	93.1	6600	4800	0.57
21309 CA	21309 CAK		100	25	119	121	5600	4000	0.99
22309 CA	22309 CAK		100	36	174	174	4600	3300	1.40
22309 CC	22309 CCK		100	36	174	174	4600	3300	1.35
22210 CA	22210 CAK	50	90	23	98.8	103	6300	4500	0.63
22210 CC	22210 CCK		90	23	98.8	103	6300	4500	0.62
21310 CA	21310 CAK		110	27	148	158	4900	3600	1.35
22310 CA	22310 CAK		110	40	209	213	4100	3000	1.90
22310 CC	22310 CCK		110	40	209	213	4100	3000	1.85
22211 CA	22211 CAK	55	100	25	119	121	5600	4000	0.84
22211 CC	22211 CCK		100	25	119	121	5600	4000	0.82
21311 CA	21311 CAK		120	29	148	158	4900	3600	1.70

3 表格 / Tables

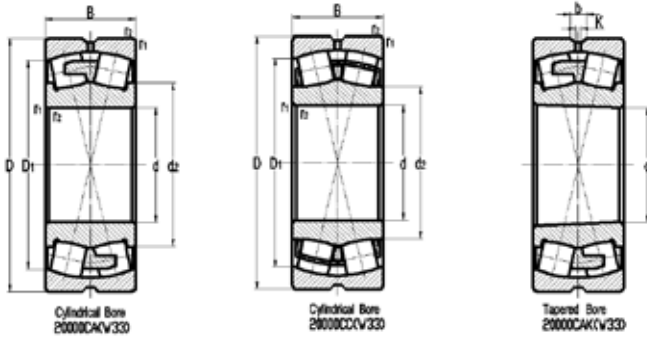
3.21 调心滚子轴承 / Spherical Roller Bearings



	尺寸					挡肩及倒角尺寸				计算系数			
	Diameter					Shoulder & Chamfer Size				Calculation Coefficient			
						最小	最大	最小	最大				
		≈	≈			min	max	min	max				
	d	d2	D1	b	K	r1,2	da	Da	r _a	e	Y	Y ₂	Y ₀
mm	mm	mm	mm	mm	mm	mm	mm	mm					
25	31.2	44.2	3.7	2	1	30.6	46.4	1	0.35	1.9	2.9	1.8	
	31.2	44.2	3.7	2	1	30.6	46.4	1	0.35	1.9	2.9	1.8	
30	35.7	50.7	-	-	1.1	32	55	1	0.3	2.3	3.4	2.2	
	37.5	53	3.7	2	1	35.6	56.4	1	0.31	2.2	3.3	2.2	
	37.5	53	3.7	2	1	35.6	56.4	1	0.31	2.2	3.3	2.2	
35	43.3	58.8	-	-	1.1	37	65	1	0.27	2.5	3.7	2.5	
	44.5	61.8	3.7	2	1.1	42	65	1	0.31	2.2	3.3	2.2	
	44.5	61.8	3.7	2	1.1	42	65	1	0.31	2.2	3.3	2.2	
40	47.2	65.6	-	-	1.5	44	71	1.5	0.28	2.4	3.6	2.5	
	49.1	69.4	5.5	3	1.1	47	73	1	0.28	2.4	3.6	2.5	
	49.1	69.4	5.5	3	1.1	47	73	1	0.28	2.4	3.6	2.5	
45	59.9	79.8	5.5	3	1.5	49	81	1.5	0.24	2.8	4.2	2.8	
	59.9	79.8	5.5	3	1.5	49	81	1.5	0.24	2.8	4.2	2.8	
	49.7	74.3	5.5	3	1.5	49	81	1.5	0.37	1.8	2.7	1.8	
50	49.7	74.3	5.5	3	1.5	49	81	1.5	0.37	1.8	2.7	1.8	
	54.4	74.4	5.5	3	1.1	52	78	1	0.26	2.6	3.9	2.5	
	54.4	74.4	5.5	3	1.1	52	78	1	0.26	2.6	3.9	2.5	
55	65.3	88	5.5	3	1.5	54	91	1.5	0.24	2.8	4.2	2.8	
	56.4	83.4	5.5	3	1.5	54	91	1.5	0.37	1.8	2.7	1.8	
	56.4	83.4	5.5	3	1.5	54	91	1.5	0.37	1.8	2.7	1.8	
60	59.9	79	5.5	3	1.1	57	83	1	0.24	2.8	4.2	2.8	
	59.9	79	5.5	3	1.1	57	83	1	0.24	2.8	4.2	2.8	
	71.6	96.8	5.5	3	2	61	99	2	0.24	2.8	4.2	2.8	
65	62.1	91.9	5.5	3	2	61	99	2	0.37	1.8	2.7	1.8	
	62.1	91.9	5.5	3	2	61	99	2	0.37	1.8	2.7	1.8	
	62.1	91.9	5.5	3	2	61	99	2	0.37	1.8	2.7	1.8	
70	65.3	88	5.5	3	1.5	64	91	1.5	0.24	2.8	4.2	2.8	
	65.3	88	5.5	3	1.5	64	91	1.5	0.24	2.8	4.2	2.8	
	71.6	96.2	5.5	3	2	66	109	2	0.24	2.8	4.2	2.8	

3 表格 / Tables

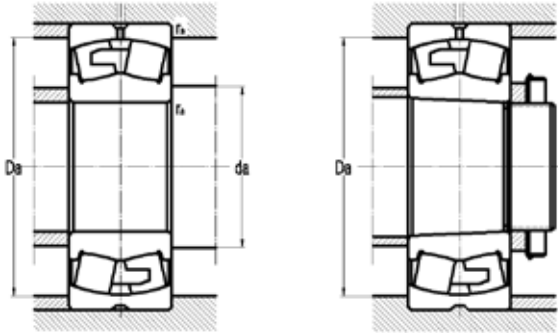
3.21 调心滚子轴承 / Spherical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
圆柱孔	圆锥孔	d	D	B	动态	静态	油	脂	
					Dynamic	Static	Oil	Grease	
Cylindrical Bore	Tapered Bore	d	D	B	C	C ₀			
		mm	mm	mm	kN	kN	rpm	rpm	kg
22311 CA	22311 CAK	55	120	43	257	266	3700	2700	2.45
22311 CC	22311 CCK		120	43	257	266	3700	2700	2.45
22212 CA	22212 CAK	60	110	28	148	158	4900	3600	1.15
22212 CC	22212 CCK		110	28	148	158	4900	3600	1.15
21312 CA	21312 CAK		130	31	201	228	4100	3000	2.10
22312 CA	22312 CAK		130	46	295	318	3500	2600	3.10
22312 CC	22312 CCK		130	46	295	318	3500	2600	3.05
22213 CA	22213 CAK	65	120	31	183	205	4600	3100	1.55
22213 CC	22213 CCK		120	31	183	205	4600	3100	1.50
21313 CA	21313 CAK		140	33	224	257	3900	2700	2.55
22313 CA	22313 CAK		140	48	323	342	3900	2400	3.75
22313 CC	22313 CCK		140	48	323	342	3200	2400	3.75
22214 CA	22214 CAK	70	125	31	198	217	4400	3100	1.55
22214 CC	22214 CCK		125	31	198	217	4400	3100	1.50
21314 CA	21314 CAK		150	35	271	309	3700	2600	3.10
22314 CA	22314 CAK		150	51	380	409	2900	2100	4.55
22314 CC	22314 CCK		150	51	380	409	2900	2100	4.55
22215 CA	22215 CAK	75	130	31	201	228	4100	3000	1.70
22215 CC	22215 CCK		130	31	201	228	4100	3000	1.65
21315 CA	21315 CAK		160	37	271	309	3700	2600	3.75
22315 CA	22315 CAK		160	55	418	451	2800	2000	5.55
22315 CC	22315 CCK		160	55	418	451	2800	2000	5.55
22216 CA	22216 CAK	80	140	33	224	257	4000	2700	2.10
22216 CC	22216 CCK		140	33	224	257	4000	2700	2.05
21316 CA	21316 CAK		170	39	309	356	3500	2400	4.45
22316 CA	22316 CAK		170	58	466	513	2600	1900	6.60
22316 CC	22316 CCK		170	58	466	513	2600	1900	6.45
22217 CA	22217 CAK	85	150	36	271	309	3700	2600	2.65

3 表格 / Tables

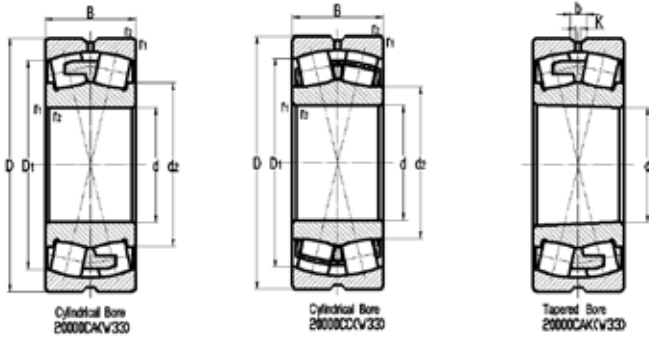
3.21 调心滚子轴承 / Spherical Roller Bearings



	尺寸					挡肩及倒角尺寸				计算系数			
	Diameter					Shoulder & Chamfer Size				Calculation Coefficient			
					最小	最大	最小	最大					
		≈	≈		min	max	min	max					
	d	d2	D1	b	K	r1,2	da	Da	r_a	e	Y	Y_2	Y_0
mm	mm	mm	mm	mm	mm	mm	mm	mm					
55	70.1	102	5.5	3	2	66	109	2	0.35	1.9	2.9	1.8	
	70.1	102	5.5	3	2	66	109	2	0.35	1.9	2.9	1.8	
60	71.6	96.5	5.5	3	1.5	69	101	1.5	0.24	2.8	4.2	2.8	
	71.6	96.5	5.5	3	1.5	69	101	1.5	0.24	2.8	4.2	2.8	
	87.8	115	5.5	3	2.1	72	118	2	0.22	3	4.6	2.8	
	77.9	110	8.3	4.5	2.1	72	118	2	0.35	1.9	2.9	1.8	
65	77.9	110	8.3	4.5	2.1	72	118	2	0.35	1.9	2.9	1.8	
	77.6	106	5.5	3	1.5	74	111	1.5	0.24	2.8	4.2	2.8	
	77.6	106	5.5	3	1.5	74	111	1.5	0.24	2.8	4.2	2.8	
	94.7	124	5.5	3	2.1	77	128	2	0.22	3	4.6	2.8	
	81.6	118	8.3	4.5	2.1	77	128	2	0.35	1.9	2.9	1.8	
	81.6	118	8.3	4.5	2.1	77	128	2	0.35	1.9	2.9	1.8	
70	83	111	5.5	3	1.5	79	116	1.5	0.23	2.9	4.4	2.8	
	83	111	5.5	3	1.5	79	116	1.5	0.23	2.9	4.4	2.8	
	101	133	5.5	3	2.1	82	138	2	0.22	3	4.6	2.8	
	90.3	128	8.3	4.5	2.1	82	138	2	0.33	2	3	2	
	90.3	128	8.3	4.5	2.1	82	138	2	0.33	2	3	2	
75	87.8	115	5.5	3	1.5	84	121	1.5	0.22	3	4.6	2.8	
	87.8	115	5.5	3	1.5	84	121	1.5	0.22	3	4.6	2.8	
	101	133	5.5	3	2.1	87	148	2	0.22	3	4.6	2.8	
	92.8	135	8.3	4.5	2.1	87	148	2	0.35	1.9	2.9	1.8	
	92.8	135	8.3	4.5	2.1	87	148	2	0.35	1.9	2.9	1.8	
80	94.7	124	5.5	3	2	91	129	2	0.22	3	4.6	2.8	
	94.7	124	5.5	3	2	91	129	2	0.22	3	4.6	2.8	
	106	141	5.5	3	2.1	92	158	2	0.24	2.8	4.2	2.8	
	98.3	143	8.3	4.5	2.1	92	158	2	0.35	1.9	2.9	1.8	
	98.3	143	8.3	4.5	2.1	92	158	2	0.35	1.9	2.9	1.8	
85	101	133	5.5	3	2	96	139	2	0.22	3	4.6	2.8	

3 表格 / Tables

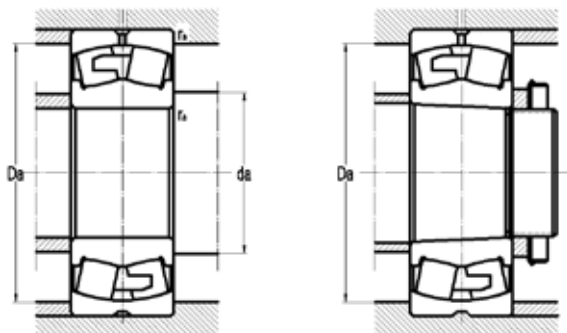
3.21 调心滚子轴承 / Spherical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
圆柱孔	圆锥孔	d	D	B	动态	静态	油	脂	
					Dynamic	Static	Oil	Grease	
Cylindrical Bore	Tapered Bore	d	D	B	C	C ₀			
		mm	mm	mm	kN	kN	rpm	rpm	kg
22217 CC	22217 CCK	85	150	36	271	309	3700	2600	2.60
21317 CA	21317 CAK		180	41	309	356	3500	2400	5.20
22317 CA	22317 CAK		180	60	523	589	2500	1700	7.65
22317 CC	22317 CCK		180	60	523	589	2500	1700	7.65
22218 CA	22218 CAK	90	160	40	309	356	3500	2400	3.40
22218 CC	22218 CCK		160	40	309	356	3500	2400	3.35
23218 CA	23218 CAK		160	52.4	337	418	2500	1700	4.65
23218 CC	23218 CCK		160	52.4	337	418	2500	1700	4.50
21318 CA	21318 CAK		190	43	361	428	3100	2300	6.10
22318 CC	22318 CCK		190	64	580	660	2400	1600	9.05
22219 CA	22219 CAK	95	170	43	361	428	3100	2300	4.15
22219 CC	22219 CCK		170	43	361	428	3100	2300	4.05
21319 CA	21319 CAK		200	45	404	466	2900	2100	7.05
22319 CA	22319 CAK		200	67	637	727	2200	1600	10.5
22319 CC	22319 CCK		200	67	637	727	2200	1600	10.5
24020 CA	24020 CAK	100	150	50	271	394	2600	1700	3.15
24020 CC	24020 CCK		150	50	271	394	2600	1700	3.15
24120 CC	24120 CCK		165	65	432	608	2100	1500	5.65
24120 CC	24120 CCK		165	65	432	608	2100	1500	5.65
23120 CC	23120 CCK		165	52	347	466	2600	1900	4.55
23120 CC	23120 CCK		165	52	347	466	2600	1900	4.55
22220 CA	22220 CAK		180	46	404	466	2900	2100	4.90
22220 CC	22220 CCK		180	46	404	466	2900	2100	4.80
23220 CA	23220 CAK		180	60.3	451	570	2200	1500	6.85
23220 CC	23220 CCK		180	60.3	451	570	2200	1500	6.65
21320 CA	21320 CAK		215	47	404	466	2900	2100	8.60
22320 CA	22320 CAK		215	73	774	903	1900	1500	13.5
22320 CC	22320 CCK		215	73	774	903	1900	1500	13.5

3 表格 / Tables

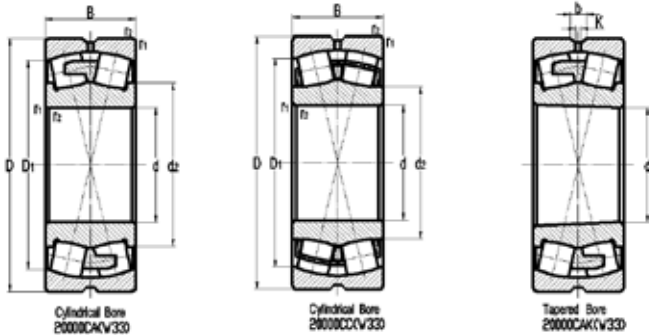
3.21 调心滚子轴承 / Spherical Roller Bearings



	尺寸					挡肩及倒角尺寸				计算系数			
	Diameter					Shoulder & Chamfer Size				Calculation Coefficient			
						最小	最大	最小	最大				
		≈	≈			min	max	min	max				
	d	d2	D1	b	K	r1,2	da	Da	r _a	e	Y	Y ₂	Y ₀
mm	mm	mm	mm	mm	mm	mm	mm	mm					
85	101	133	5.5	3	2	96	139	2	0.22	3	4.6	2.8	
	106	141	5.5	3	3	99	166	2.5	0.24	2.8	4.2	2.8	
	108	154	8.3	4.5	3	99	166	2.5	0.33	2	3	2	
	108	154	8.3	4.5	3	99	166	2.5	0.33	2	3	2	
90	106	141	5.5	3	2	101	149	2	0.24	2.8	4.2	2.8	
	106	141	5.5	3	2	101	149	2	0.24	2.8	4.2	2.8	
	106	137	5.5	3	2	101	149	2	0.31	2.2	3.3	2.2	
	106	137	5.5	3	2	101	149	2	0.31	2.2	3.3	2.2	
	112	150	8.3	4.5	3	104	176	2.5	0.24	2.8	4.2	2.8	
	113	161	11.1	6	3	104	176	2.5	0.33	2	3	2	
95	112	150	8.3	4.5	2.1	107	158	2	0.24	2.8	4.2	2.8	
	112	150	8.3	4.5	2.1	107	158	2	0.24	2.8	4.2	2.8	
	118	159	8.3	4.5	3	109	186	2.5	0.24	2.8	4.2	2.8	
	118	168	11.1	6	3	109	186	2.5	0.33	2	3	2	
	118	168	11.1	6	3	109	186	2.5	0.33	2	3	2	
100	111	132	5.5	3	1.5	107	143	1.5	0.28	2.4	3.6	2.5	
	111	132	5.5	3	1.5	107	143	1.5	0.28	2.4	3.6	2.5	
	113	141	3.7	2	2	111	154	2	0.37	1.8	2.7	1.8	
	113	141	3.7	2	2	111	154	2	0.37	1.8	2.7	1.8	
	115	144	5.5	3	2	111	154	2	0.3	2.3	3.4	2.2	
	115	144	5.5	3	2	111	154	2	0.3	2.3	3.4	2.2	
	118	159	8.3	4.5	2.1	112	168	2	0.24	2.8	4.2	2.8	
	118	159	8.3	4.5	2.1	112	168	2	0.24	2.8	4.2	2.8	
	117	153	8.3	4.5	2.1	112	168	2	0.33	2	3	2	
	117	153	8.3	4.5	2.1	112	168	2	0.33	2	3	2	
	118	159	8.3	4.5	3	114	201	2.5	0.24	2.8	4.2	2.8	
	130	184	11.1	6	3	114	201	2.5	0.33	2	3	2	
	130	184	11.1	6	3	114	201	2.5	0.33	2	3	2	

3 表格 / Tables

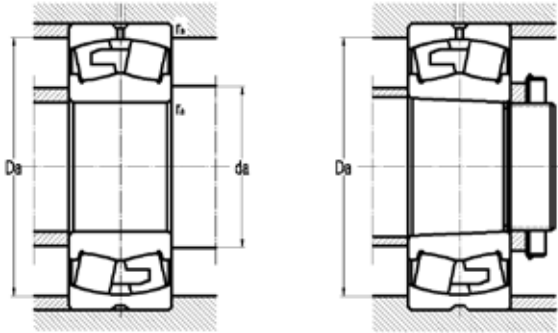
3.21 调心滚子轴承 / Spherical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
圆柱孔	圆锥孔	d	D	B	动态	静态	油	脂	
					Dynamic	Static	Oil	Grease	
Cylindrical Bore	Tapered Bore	d	D	B	C	C ₀			
		mm	mm	mm	kN	kN	rpm	rpm	kg
23022 CA	23022 CAK	110	170	45	295	418	2800	2100	3.80
23022 CC	23022 CCK		170	45	295	418	2800	2100	3.70
24022 CA	24022 CAK		170	60	394	589	2400	1500	5.00
24022 CC	24022 CCK		170	60	394	589	2400	1500	5.00
23122 CA	23122 CAK		180	56	409	556	2400	1700	5.75
23122 CC	23122 CCK		180	56	409	556	2400	1700	5.55
24122 CA	24122 CAK		180	69	494	713	1900	1300	7.10
24122 CC	24122 CCK		180	69	494	713	1900	1300	7.00
22222 CA	22222 CAK		200	53	532	608	2600	1900	7.00
22222 CC	22222 CCK		200	53	532	608	2600	1900	6.85
23222 CA	23222 CAK		200	69.8	570	727	2100	1300	9.85
23222 CC	23222 CCK		200	69.8	570	727	2100	1300	9.55
22322 CA	22322 CAK		240	80	903	1060	1800	1300	18.4
22322 CC	22322 CCK		240	80	903	1060	1400	1300	18.4
23024 CA	23024 CAK	120	180	46	337	485	2600	2000	4.20
23024 CC	23024 CCK		180	46	337	485	2600	2000	4.05
24024 CA	24024 CAK		180	60	409	637	2200	1500	5.45
24024 CC	24024 CCK		180	60	409	637	2200	1500	5.35
23124 CA	23124 CAK		200	62	485	660	2200	1600	8.00
23124 CC	23124 CCK		200	62	485	660	2200	1600	7.75
24124 CA	24124 CAK		200	80	622	903	1600	1200	10.3
24124 CC	24124 CCK		200	80	622	903	1600	1200	10.0
22224 CA	22224 CAK		215	58	599	727	2500	1700	8.70
22224 CC	22224 CCK		215	58	599	727	2500	1700	8.50
23224 CA	23224 CAK		215	76	660	884	1800	1300	12.0
23224 CC	23224 CCK		215	76	660	884	1800	1300	11.5
22324 CA	22324 CAK		260	86	917	1060	1600	1300	23.0
22324 CC	22324 CCK		260	86	917	1060	1600	1300	23.0

3 表格 / Tables

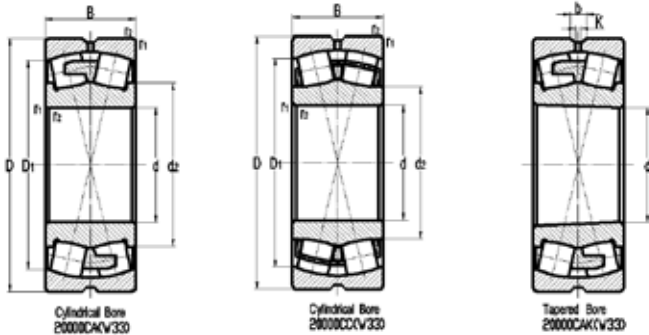
3.21 调心滚子轴承 / Spherical Roller Bearings



尺寸						挡肩及倒角尺寸				计算系数			
Diameter						Shoulder & Chamfer Size				Calculation Coefficient			
					最小	最大	最小	最大					
	≈	≈			min	max	min	max					
d	d2	D1	b	K	r1,2	da	Da	r _a	e	Y	Y ₂	Y ₀	
mm	mm	mm	mm	mm	mm	mm	mm	mm					
110	125	151	5.5	3	2	119	161	2	0.23	2.9	4.4	2.8	
	125	151	5.5	3	2	119	161	2	0.23	2.9	4.4	2.8	
	122	149	5.5	3	2	119	161	2	0.33	2	3	2	
	122	149	5.5	3	2	119	161	2	0.33	2	3	2	
	126	157	8.3	4.5	2	121	169	2	0.3	2.3	3.4	2.2	
	126	157	8.3	4.5	2	121	169	2	0.3	2.3	3.4	2.2	
	123	153	5.5	3	2	121	169	2	0.37	1.8	2.7	1.8	
	123	153	5.5	3	2	121	169	2	0.37	1.8	2.7	1.8	
	130	178	8.3	4.5	2.1	122	188	2	0.25	2.7	4	2.5	
	130	178	8.3	4.5	2.1	122	188	2	0.25	2.7	4	2.5	
	130	169	8.3	4.5	2.1	122	188	2	0.33	2	3	2	
	130	169	8.3	4.5	2.1	122	188	2	0.33	2	3	2	
	143	204	13.9	7.5	3	124	226	2.5	0.33	2	3	2	
	143	204	13.9	7.5	3	124	226	2.5	0.33	2	3	2	
120	135	163	5.5	3	2	129	171	2	0.22	3	4.6	2.8	
	135	163	5.5	3	2	129	171	2	0.22	3	4.6	2.8	
	132	159	5.5	3	2	129	171	2	0.3	2.3	3.4	2.2	
	132	159	5.5	3	2	129	171	2	0.3	2.3	3.4	2.2	
	139	174	8.3	4.5	2	131	189	2	0.28	2.4	3.6	2.5	
	139	174	8.3	4.5	2	131	189	2	0.28	2.4	3.6	2.5	
	135	168	5.5	3	2	131	189	2	0.37	1.8	2.7	1.8	
	135	168	5.5	3	2	131	189	2	0.37	1.8	2.7	1.8	
	141	189	11.1	6	2.1	132	203	2	0.26	2.6	3.9	2.5	
	141	189	11.1	6	2.1	132	203	2	0.26	2.6	3.9	2.5	
	141	182	8.3	4.5	2.1	132	203	2	0.35	1.9	2.9	1.8	
	141	182	8.3	4.5	2.1	132	203	2	0.35	1.9	2.9	1.8	
	152	216	13.9	7.5	3	134	246	2.5	0.35	1.9	2.9	1.8	
	152	216	13.9	7.5	3	134	246	2.5	0.35	1.9	2.9	1.8	

3 表格 / Tables

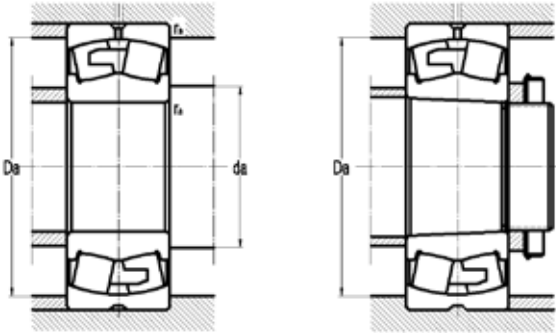
3.21 调心滚子轴承 / Spherical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
圆柱孔	圆锥孔	d	D	B	动态	静态	油	脂	
					Dynamic	Static	Oil	Grease	
Cylindrical Bore	Tapered Bore	d	D	B	C	C ₀			
		mm	mm	mm	kN	kN	rpm	rpm	kg
23026 CA	23026 CAK	130	200	52	409	580	2300	1700	6.00
23026 CC	23026 CCK		200	52	409	580	2300	1700	5.80
24026 CA	24026 CAK		200	69	513	774	1900	1300	7.90
24026 CC	24026 CCK		200	69	513	774	1900	1300	8.05
23126 CA	23126 CAK		210	64	532	741	2100	1500	8.80
23126 CC	23126 CCK		210	64	532	741	2100	1500	8.50
24126 CA	24126 CAK		210	80	646	950	1500	1100	11.0
24126 CC	24126 CCK		210	80	646	950	1500	1100	11.0
22226 CA	22226 CAK		230	64	698	884	2300	1600	11.0
22226 CC	22226 CCK		230	64	698	884	2300	1600	10.7
23226 CA	23226 CAK		230	80	741	1000	1600	1200	14.5
23226 CC	23226 CCK		230	80	741	1000	1600	1200	14.0
22326 CA	22326 CAK		280	93	1060	1250	1500	1200	29.0
22326 CC	22326 CCK		280	93	1060	1250	1500	1200	29.0
23028 CA	23028 CAK	140	210	53	442	646	2200	1600	6.55
23028 CC	23028 CCK		210	53	442	646	2200	1600	6.35
24028 CA	24028 CAK		210	69	542	855	1800	1300	8.55
24028 CC	24028 CCK		210	69	542	855	1800	1300	8.40
23128 CA	23128 CAK		225	68	599	855	1800	1400	10.5
23128 CC	23128 CCK		225	68	599	855	1800	1400	10.0
24128 CA	24128 CAK		225	85	727	1100	1400	1000	13.5
24128 CC	24128 CCK		225	85	727	1100	1400	1000	13.5
22228 CA	22228 CAK		250	68	675	855	2100	1500	14.0
22228 CC	22228 CCK		250	68	675	855	2100	1500	13.5
23228 CA	23228 CAK		250	88	869	1190	1500	1100	19.0
23228 CC	23228 CCK		250	88	869	1190	1500	1100	18.5
22328 CA	22328 CAK		300	102	1220	1480	1400	1100	36.5
22328 CC	22328 CCK		300	102	1220	1480	1400	1100	36.5

3 表格 / Tables

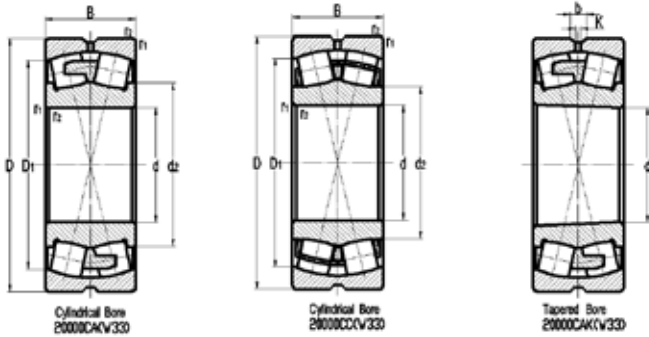
3.21 调心滚子轴承 / Spherical Roller Bearings



尺寸						挡肩及倒角尺寸				计算系数			
Diameter						Shoulder & Chamfer Size				Calculation Coefficient			
					最小	最大	最小	最大					
	≈	≈			min	max	min	max					
d	d2	D1	b	K	r1,2	da	Da	r _a	e	Y	Y ₂	Y ₀	
mm	mm	mm	mm	mm	mm	mm	mm	mm					
130	148	180	8.3	4.5	2	139	191	2	0.23	2.9	4.4	2.8	
	148	180	8.3	4.5	2	139	191	2	0.23	2.9	4.4	2.8	
	145	175	5.5	3	2	139	191	2	0.31	2.2	3.3	2.2	
	145	175	5.5	3	2	139	191	2	0.31	2.2	3.3	2.2	
	148	184	8.3	4.5	2	141	199	2	0.28	2.4	3.6	2.5	
	148	184	8.3	4.5	2	141	199	2	0.28	2.4	3.6	2.5	
	146	180	5.5	3	2	141	199	2	0.35	1.9	2.9	1.8	
	146	180	5.5	3	2	141	199	2	0.35	1.9	2.9	1.8	
	152	201	11.1	6	3	144	216	2.5	0.27	2.5	3.7	2.5	
	152	201	11.1	6	3	144	216	2.5	0.27	2.5	3.7	2.5	
	151	196	8.3	4.5	3	144	216	2.5	0.33	2	3	2	
	151	196	8.3	4.5	3	144	216	2.5	0.33	2	3	2	
	164	233	16.7	9	4	147	263	3	0.35	1.9	2.9	1.8	
	164	233	16.7	9	4	147	263	3	0.35	1.9	2.9	1.8	
140	158	190	8.3	4.5	2	149	201	2	0.22	3	4.6	2.8	
	158	190	8.3	4.5	2	149	201	2	0.22	3	4.6	2.8	
	155	185	5.5	3	2	149	201	2	0.3	2.3	3.4	2.2	
	155	185	5.5	3	2	149	201	2	0.3	2.3	3.4	2.2	
	159	197	8.3	4.5	2.1	152	213	2	0.28	2.4	3.6	2.5	
	159	197	8.3	4.5	2.1	152	213	2	0.28	2.4	3.6	2.5	
	156	193	8.3	4.5	2.1	152	213	2	0.35	1.9	2.9	1.8	
	156	193	8.3	4.5	2.1	152	213	2	0.35	1.9	2.9	1.8	
	166	216	11.1	6	3	154	236	2.5	0.26	2.6	3.9	2.5	
	166	216	11.1	6	3	154	236	2.5	0.26	2.6	3.9	2.5	
	165	212	11.1	6	3	154	236	2.5	0.33	2	3	2	
	165	212	11.1	6	3	154	236	2.5	0.33	2	3	2	
	175	247	16.7	9	4	157	283	3	0.35	1.9	2.9	1.8	
	175	247	16.7	9	4	157	283	3	0.35	1.9	2.9	1.8	

3 表格 / Tables

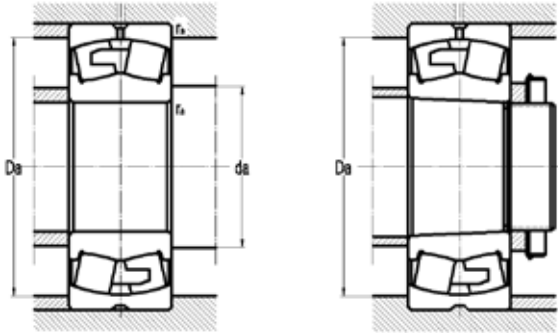
3.21 调心滚子轴承 / Spherical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
圆柱孔	圆锥孔	d	D	B	动态	静态	油	脂	
					Dynamic	Static	Oil	Grease	
Cylindrical Bore	Tapered Bore	d	D	B	C	C ₀			kg
		mm	mm	mm	kN	kN	rpm	rpm	
23030 CA	23030 CAK	150	225	56	485	713	2100	1500	7.95
23030 CC	23030 CCK		225	56	485	713	2100	1500	7.70
24030 CA	24030 CAK		225	75	622	988	1600	1200	10.5
24030 CC	24030 CCK		225	75	622	988	1600	1200	10.5
23130 CA	23130 CAK		250	80	789	1140	1600	1300	16.0
23130 CC	23130 CCK		250	80	789	1140	1600	1300	15.5
24130 CA	24130 CAK		250	100	969	1450	1300	880	20.0
24130 CC	24130 CCK		250	100	969	1450	1300	880	19.5
22230 CA	22230 CAK		270	73	808	1020	1900	1400	18.0
22230 CC	22230 CCK		270	73	808	1020	1900	1400	17.5
23230 CA	23230 CAK		270	96	1020	1380	1400	1000	24.5
23230 CC	23230 CCK		270	96	1020	1380	1400	1000	24.0
22330 CA	22330 CAK		320	108	1380	1670	1300	1000	43.5
22330 CC	22330 CCK		320	108	1380	1670	1300	1000	43.5
23032 CA	23032 CAK	160	240	60	556	836	1900	1500	9.70
23032 CC	23032 CCK		240	60	556	836	1900	1500	9.40
24032 CA	24032 CAK		240	80	713	1140	1500	1100	13.0
24032 CC	24032 CCK		240	80	713	1140	1500	1100	13.0
23132 CA	23132 CAK		270	86	931	1300	1500	1200	20.5
23132 CC	23132 CCK		270	86	931	1300	1500	1200	20.0
24132 CA	24132 CAK		270	109	1120	1670	1200	810	25.0
24132 CC	24132 CCK		270	109	1120	1670	1200	810	24.5
22232 CA	22232 CAK		290	80	950	1220	1800	1300	22.5
22232 CC	22232 CCK		290	80	950	1220	1800	1300	22.0
23232 CA	23232 CAK		290	104	1160	1570	1400	950	31.0
23232 CC	23232 CCK		290	104	1160	1570	1400	950	30.0
22332 CA	22332 CAK		340	114	1520	1860	1300	950	52.0
22332 CC	22332 CCK		340	114	1520	1860	1300	950	52.0

3 表格 / Tables

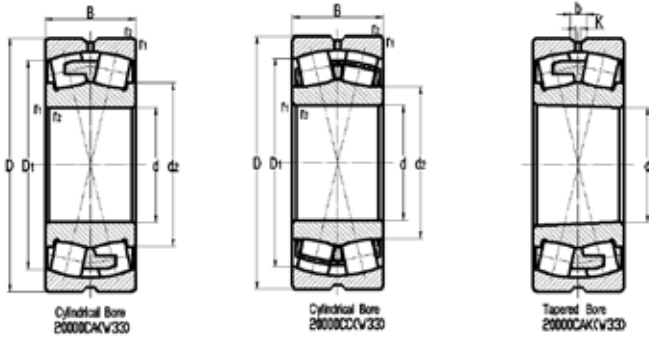
3.21 调心滚子轴承 / Spherical Roller Bearings



	尺寸					挡肩及倒角尺寸				计算系数			
	Diameter					Shoulder & Chamfer Size				Calculation Coefficient			
					最小	最大	最小	最大					
		≈	≈		min	max	min	max					
	d	d2	D1	b	K	r1,2	da	Da	r_a	e	Y	Y_2	Y_0
mm	mm	mm	mm	mm	mm	mm	mm	mm					
150	169	203	8.3	4.5	2.1	161	214	2	0.22	3	4.6	2.8	
	169	203	8.3	4.5	2.1	161	214	2	0.22	3	4.6	2.8	
	165	197	5.5	3	2.1	161	214	2	0.3	2.3	3.4	2.2	
	165	197	5.5	3	2.1	161	214	2	0.3	2.3	3.4	2.2	
	172	216	11.1	6	2.1	162	238	2	0.3	2.3	3.4	2.2	
	172	216	11.1	6	2.1	162	238	2	0.3	2.3	3.4	2.2	
	169	211	8.3	4.5	2.1	162	238	2	0.37	1.8	2.7	1.8	
	169	211	8.3	4.5	2.1	162	238	2	0.37	1.8	2.7	1.8	
	178	234	13.9	7.5	3	164	256	2.5	0.26	2.6	3.9	2.5	
	178	234	13.9	7.5	3	164	256	2.5	0.26	2.6	3.9	2.5	
	175	228	11.1	6	3	164	256	2.5	0.35	1.9	2.9	1.8	
	175	228	11.1	6	3	164	256	2.5	0.35	1.9	2.9	1.8	
	188	266	16.7	9	4	167	303	3	0.35	1.9	2.9	1.8	
	188	266	16.7	9	4	167	303	3	0.35	1.9	2.9	1.8	
160	180	217	11.1	6	2.1	171	229	2	0.22	3	4.6	2.8	
	180	217	11.1	6	2.1	171	229	2	0.22	3	4.6	2.8	
	176	211	8.3	4.5	2.1	171	229	2	0.3	2.3	3.4	2.2	
	176	211	8.3	4.5	2.1	171	229	2	0.3	2.3	3.4	2.2	
	184	234	13.9	7.5	2.1	172	258	2	0.3	2.3	3.4	2.2	
	184	234	13.9	7.5	2.1	172	258	2	0.3	2.3	3.4	2.2	
	181	228	8.3	4.5	2.1	172	258	2	0.4	1.7	2.5	1.6	
	181	228	8.3	4.5	2.1	172	258	2	0.4	1.7	2.5	1.6	
	191	250	13.9	7.5	3	174	276	2.5	0.26	2.6	3.9	2.5	
	191	250	13.9	7.5	3	174	276	2.5	0.26	2.6	3.9	2.5	
	188	244	13.9	7.5	3	174	276	2.5	0.35	1.9	2.9	1.8	
	188	244	13.9	7.5	3	174	276	2.5	0.35	1.9	2.9	1.8	
	200	282	16.7	9	4	177	323	3	0.35	1.9	2.9	1.8	
	200	282	16.7	9	4	177	323	3	0.35	1.9	2.9	1.8	

3 表格 / Tables

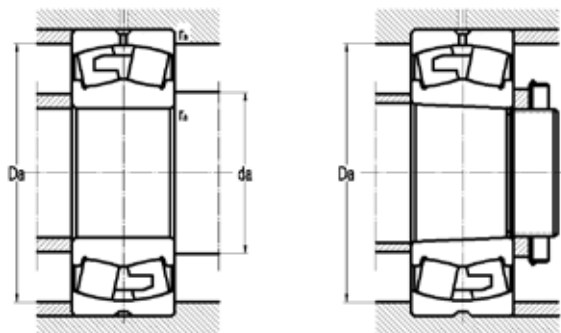
3.21 调心滚子轴承 / Spherical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
圆柱孔	圆锥孔	d	D	B	动态	静态	油	脂	
					Dynamic	Static	Oil	Grease	
Cylindrical Bore	Tapered Bore	d	D	B	C	C ₀			
		mm	mm	mm	kN	kN	rpm	rpm	kg
23034 CA	23034 CAK	170	260	67	675	1000	1800	1400	13.0
23034 CC	23034 CCK		260	67	675	1000	1800	1400	12.6
24034 CA	24034 CAK		260	90	884	1380	1500	1000	17.5
24034 CC	24034 CCK		260	90	884	1380	1500	1000	17.0
23134 CA	23134 CAK		280	88	988	1420	1500	1200	22.0
23134 CC	23134 CCK		280	88	988	1420	1500	1200	21.5
24134 CA	24134 CAK		280	109	1160	1760	1200	740	27.5
24134 CC	24134 CCK		280	109	1160	1760	1200	740	27.0
22234 CA	22234 CAK		310	86	1060	1380	1600	1200	28.5
22234 CC	22234 CCK		310	86	1060	1380	1600	1200	28.0
23234 CA	23234 CAK		310	110	1330	1830	1300	880	37.5
23234 CC	23234 CCK		310	110	1330	1830	1300	880	36.5
22334 CA	22334 CAK		360	120	1670	2050	1200	880	61.0
22334 CC	22334 CCK		360	120	1670	2050	1200	880	61.0
23936 CA	23936 CAK	180	250	52	466	789	1800	1600	7.90
23036 CA	23036 CAK		280	74	789	1190	1600	1300	17.0
23036 CC	23036 CCK		280	74	789	1190	1600	1300	16.5
24036 CA	24036 CAK		280	100	1020	1640	1400	810	23.0
24036 CC	24036 CCK		280	100	1020	1640	1400	810	22.5
23136 CA	23136 CAK		300	96	1140	1670	1400	1100	28.0
23136 CC	23136 CCK		300	96	1140	1670	1400	1100	27.0
24136 CA	24136 CAK		300	118	1330	2050	1000	680	34.5
24136 CC	24136 CCK		300	118	1330	2050	1000	680	34.0
22236 CA	22236 CAK		320	86	1120	1480	1600	1200	29.5
22236 CC	22236 CCK		320	86	1120	1480	1600	1200	29.0
23236 CA	23236 CAK		320	112	1420	2010	1200	810	39.5
23236 CC	23236 CCK		320	112	1420	2010	1200	810	38.5
22336 CA	22336 CAK		380	126	1900	2320	1100	810	71.5

3 表格 / Tables

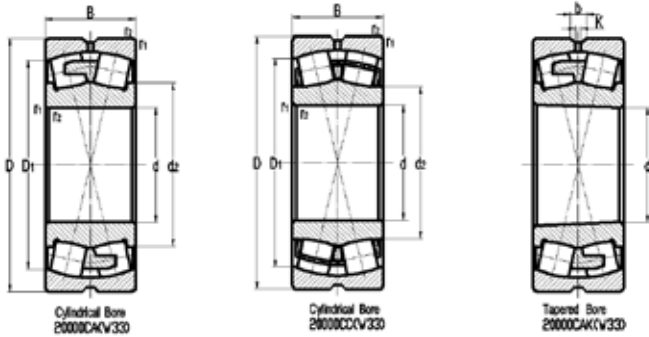
3.21 调心滚子轴承 / Spherical Roller Bearings



尺寸						挡肩及倒角尺寸				计算系数			
Diameter						Shoulder & Chamfer Size				Calculation Coefficient			
					最小	最大	最小	最大					
	≈	≈			min	max	min	max					
d	d2	D1	b	K	r1,2	da	Da	r_a	e	Y	Y_2	Y_0	
mm	mm	mm	mm	mm	mm	mm	mm	mm					
170	191	232	11.1	6	2.1	181	249	2	0.23	2.9	4.4	2.8	
	191	232	11.1	6	2.1	181	249	2	0.23	2.9	4.4	2.8	
	188	226	8.3	4.5	2.1	181	249	2	0.33	2	3	2	
	188	226	8.3	4.5	2.1	181	249	2	0.33	2	3	2	
	195	244	13.9	7.5	2.1	182	268	2	0.3	2.3	3.4	2.2	
	195	244	13.9	7.5	2.1	182	268	2	0.3	2.3	3.4	2.2	
	190	237	8.3	4.5	2.1	182	268	2	0.37	1.8	2.7	1.8	
	190	237	8.3	4.5	2.1	182	268	2	0.37	1.8	2.7	1.8	
	203	267	16.7	9	4	187	293	3	0.27	2.5	3.7	2.5	
	203	267	16.7	9	4	187	293	3	0.27	2.5	3.7	2.5	
	200	261	13.9	7.5	4	187	293	3	0.35	1.9	2.9	1.8	
	200	261	13.9	7.5	4	187	293	3	0.35	1.9	2.9	1.8	
	213	300	16.7	9	4	187	243	3	0.33	2	3	2	
	213	300	16.7	9	4	187	243	3	0.33	2	3	2	
180	199	231	5.5	3	2	189	241	2	0.18	3.8	5.6	3.6	
	204	249	13.9	7.5	2.1	191	269	2	0.24	2.8	4.2	2.8	
	204	249	13.9	7.5	2.1	191	269	2	0.24	2.8	4.2	2.8	
	201	243	6.3	4.5	2.1	191	269	2	0.33	2	3	2	
	201	243	6.3	4.5	2.1	191	269	2	0.33	2	3	2	
	207	259	13.9	7.5	3	194	286	2.5	0.3	2.3	3.4	2.2	
	207	259	13.9	7.5	3	194	286	2.5	0.3	2.3	3.4	2.2	
	203	253	11.1	6	3	194	286	2.5	0.37	1.8	2.7	1.8	
	203	253	11.1	6	3	194	286	2.5	0.37	1.8	2.7	1.8	
	213	276	16.7	9	4	197	303	3	0.26	2.6	3.9	2.5	
	213	276	16.7	9	4	197	303	3	0.26	2.6	3.9	2.5	
	211	271	13.9	7.5	4	197	303	3	0.36	1.9	2.9	1.8	
	211	271	13.9	7.5	4	197	303	3	0.36	1.9	2.9	1.8	
	224	317	22.3	12	4	197	363	3	0.35	1.9	2.9	1.8	

3 表格 / Tables

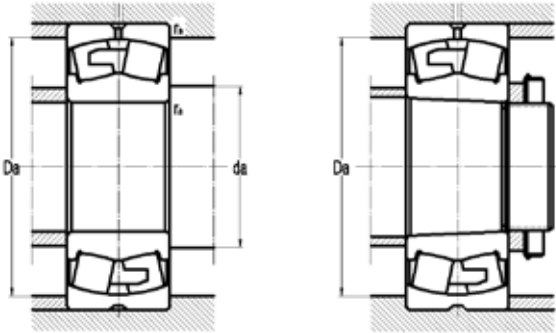
3.21 调心滚子轴承 / Spherical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
圆柱孔	圆锥孔	d	D	B	动态	静态	油	脂	
					Dynamic	Static	Oil	Grease	
Cylindrical Bore	Tapered Bore	d	D	B	C	C ₀			
		mm	mm	mm	kN	kN	rpm	rpm	kg
23938 CA	23938 CAK	190	260	52	451	760	1600	1500	8.3
23038 CA	23038 CAK		290	75	822	1270	1500	1200	18.0
23038 CC	23038 CCK		290	75	822	1270	1500	1200	17.5
24038 CA	24038 CAK		290	100	1060	1710	1300	880	24.5
24038 CC	24038 CCK		290	100	1060	1710	1300	880	24.0
23138 CA	23138 CAK		320	104	1300	1970	1300	950	35.0
23138 CC	23138 CCK		320	104	1300	1970	1300	950	34.0
24138 CA	24138 CAK		320	128	1520	2370	980	680	43.0
22238 CA	22238 CAK		340	92	1200	1610	1500	1100	36.5
22238 CC	22238 CCK		340	92	1200	1610	1500	1100	35.5
23238 CA	23238 CAK		340	120	1570	2280	1200	810	48.0
23238 CC	23238 CCK		340	120	1570	2280	1200	810	46.5
22338 CA	22338 CAK		400	132	2010	2520	1000	740	82.5
23940 CA	23940 CAK	200	280	60	589	988	1500	1350	11.5
23040 CA	23040 CAK		310	82	950	1450	1400	1200	23.3
23040 CC	23040 CCK		310	82	950	1450	1400	1200	22.6
24040 CA	24040 CAK		310	109	1230	2010	1200	810	31.0
24040 CC	24040 CCK		310	109	1230	2010	1200	810	30.5
23140 CA	23140 CAK		340	112	1520	2240	1200	950	43.0
23140 CC	23140 CCK		340	112	1520	2240	1200	950	41.5
24140 CA	24140 CAK		340	140	1710	2660	910	640	53.5
24140 CC	24140 CCK		340	140	1710	2660	910	640	52.5
22240 CA	22240 CAK		360	98	1390	1830	1400	1000	43.5
22240 CC	22240 CCK		360	98	1390	1830	1400	1000	42.5
23240 CA	23240 CAK		360	128	1770	2560	1100	740	58.0
23240 CC	23240 CCK		360	128	1770	2560	1100	740	56.5
22340 CA	22340 CAK		420	138	2200	2760	980	740	95.0
23944 CA	23944 CAK	220	300	60	599	1026	1400	1300	12.5

3 表格 / Tables

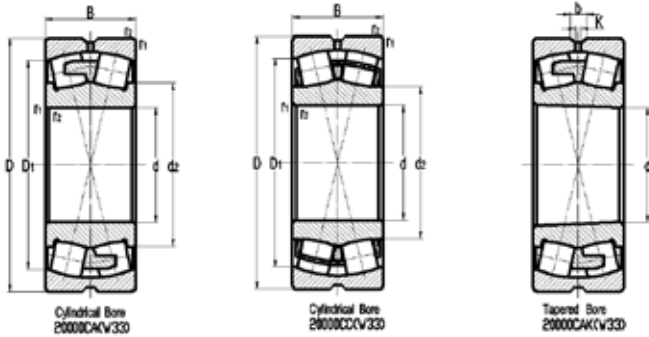
3.21 调心滚子轴承 / Spherical Roller Bearings



	尺寸					挡肩及倒角尺寸				计算系数			
	Diameter					Shoulder & Chamfer Size				Calculation Coefficient			
						最小	最大	最小	最大				
		≈	≈			min	max	min	max				
	d	d2	D1	b	K	r1,2	da	Da	r _a	e	Y	Y ₂	Y ₀
mm	mm	mm	mm	mm	mm	mm	mm	mm					
190	209	240	5.5	3	2	199	251	2	0.16	4.2	6.3	4	
	216	261	13.9	7.5	2.1	201	279	2	0.23	2.9	4.4	2.8	
	216	261	13.9	7.5	2.1	201	279	2	0.23	2.9	4.4	2.8	
	210	253	8.3	4.5	2.1	201	279	2	0.31	2.2	3.3	2.2	
	210	253	8.3	4.5	2.1	201	279	2	0.31	2.2	3.3	2.2	
	220	275	13.9	7.5	3	204	306	2.5	0.31	2.2	3.3	2.2	
	220	275	13.9	7.5	3	204	306	2.5	0.31	2.2	3.3	2.2	
	215	268	11.1	6	3	204	306	2.5	0.4	1.7	2.5	1.6	
	225	294	16.7	9	4	207	323	3	0.26	2.6	3.9	2.5	
	225	294	16.7	9	4	207	323	3	0.26	2.6	3.9	2.5	
	222	287	16.7	9	4	207	323	3	0.35	1.9	2.9	1.8	
	222	287	16.7	9	4	207	323	3	0.35	1.9	2.9	1.8	
	236	333	22.3	12	5	210	380	4	0.35	1.9	2.9	1.8	
	200	222	258	8.3	4.5	2.1	211	269	2	0.19	3.6	5.3	3.6
228		278	13.9	7.5	2.1	211	299	2	0.24	2.8	4.2	2.8	
228		278	13.9	7.5	2.1	211	299	2	0.24	2.8	4.2	2.8	
223		268	11.1	6	2.1	211	299	2	0.33	2	3	2	
223		268	11.1	6	2.1	211	299	2	0.33	2	3	2	
231		293	16.7	9	3	214	326	2.5	0.31	2.2	3.3	2.2	
231		293	16.7	9	3	214	326	2.5	0.31	2.2	3.3	2.2	
226		284	11.1	6	3	214	326	2.5	0.4	1.7	2.5	1.6	
226		284	11.1	6	3	214	326	2.5	0.4	1.7	2.5	1.6	
238		313	16.7	9	4	217	343	3	0.26	2.6	3.9	2.5	
238		313	16.7	9	4	217	343	3	0.26	2.6	3.9	2.5	
235		304	16.7	9	4	217	343	3	0.35	1.9	2.9	1.8	
235	304	16.7	9	4	217	343	3	0.35	1.9	2.9	1.8		
248	351	22.3	12	5	220	400	4	0.33	2	3	2		
220	241	278	8.3	4.5	2.1	231	289	2	0.16	4.2	6.3	4	

3 表格 / Tables

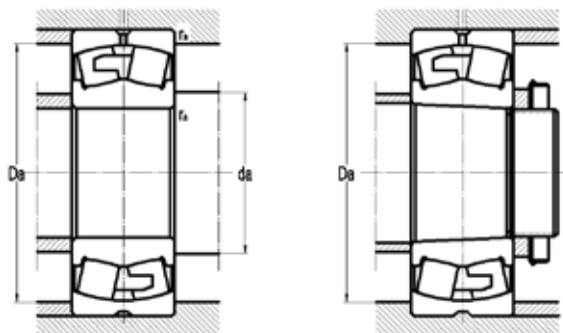
3.21 调心滚子轴承 / Spherical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
圆柱孔	圆锥孔	d	D	B	动态	静态	油	脂	
					Dynamic	Static	Oil	Grease	
Cylindrical Bore	Tapered Bore	d	D	B	C	C ₀			
		mm	mm	mm	kN	kN	rpm	rpm	kg
23044 CA	23044 CAK	220	340	90	1160	1770	1300	1000	30.5
23044 CC	23044 CCK		340	90	1160	1770	1300	1000	29.5
24044 CA	24044 CAK		340	118	1480	2470	1100	740	40.0
24044 CC	24044 CCK		340	118	1480	2470	1100	740	39.5
23144 CA	23144 CAK		370	120	1710	2610	1100	810	53.5
24144 CA	24144 CAK		370	150	2014	3180	770	540	67.0
22244 CA	22244 CAK		400	108	1670	2240	1300	950	60.5
23244 CA	23244 CAK		400	144	2240	3280	980	680	81.5
22344 CA	22344 CAK		460	145	2570	3280	910	640	120
23948 CA	23948 CAK	240	320	60	622	1100	1300	1200	13.5
23048 CA	23048 CAK		360	92	1220	1980	1200	950	33.5
23048 CC	23048 CCK		360	92	1220	1980	1200	950	32.5
24048 CA	24048 CAK		360	118	1520	2560	1000	680	43.0
24048 CC	24048 CCK		360	118	1520	2560	1000	680	42.5
23148 CA	23148 CAK		400	128	1980	3040	1000	740	66.5
24148 CA	24148 CAK		400	160	2280	3700	700	470	83.0
22248 CA	22248 CAK		440	120	2090	2850	1200	810	83.0
23248 CA	23248 CAK		440	160	2760	4080	840	600	110
22348 CA	22348 CAK		500	155	2940	3800	840	600	155
23952 CA	23952 CAK	260	360	75	950	1710	1200	1200	23.5
23052 CA	23052 CAK		400	104	1520	2420	1100	810	48.5
24052 CA	24052 CAK		400	140	1940	3280	910	640	65.5
23152 CA	23152 CAK		440	144	2420	3700	910	680	90.5
24152 CA	24152 CAK		440	180	2850	4560	630	400	110
22252 CA	22252 CAK		480	130	2520	3370	1000	740	110
23252 CA	23252 CAK		480	174	3080	4510	770	540	140
22352 CA	22352 CAK		540	165	3370	4320	700	540	190
23956 CA	23956 CAK	280	380	75	917	1670	1100	1000	25.0

3 表格 / Tables

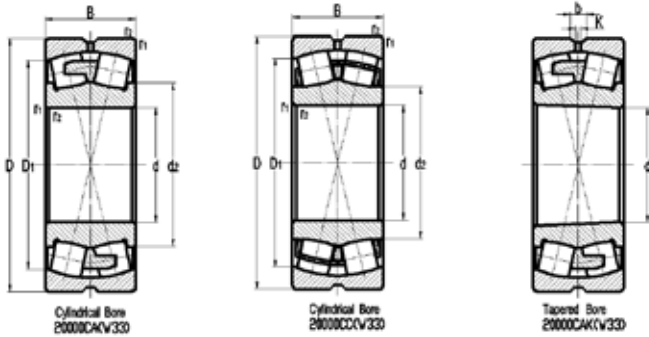
3.21 调心滚子轴承 / Spherical Roller Bearings



尺寸						挡肩及倒角尺寸				计算系数			
Diameter						Shoulder & Chamfer Size				Calculation Coefficient			
					最小	最大	最小	最大					
	≈	≈			min	max	min	max					
d	d2	D1	b	K	r1,2	da	Da	r _a	e	Y	Y ₂	Y ₀	
mm	mm	mm	mm	mm	mm	mm	mm	mm					
220	250	306	13.9	7.5	3	233	327	2.5	0.24	2.8	4.2	2.8	
	250	306	13.9	7.5	3	233	327	2.5	0.24	2.8	4.2	2.8	
	244	295	11.1	6	3	233	327	2.5	0.33	2	3	2	
	244	295	11.1	6	3	233	327	2.5	0.33	2	3	2	
	255	320	16.7	9	4	237	353	3	0.3	2.3	3.4	2.2	
	248	310	11.1	6	4	237	353	3	0.4	1.7	2.5	1.6	
	263	346	16.7	9	4	237	383	3	0.27	2.5	3.7	2.5	
	259	338	16.7	9	4	237	383	3	0.35	1.9	2.9	1.8	
	279	389	22.3	12	5	240	440	4	0.31	2.2	3.3	2.2	
240	261	298	8.3	4.5	2.1	251	309	2	0.15	4.5	6.7	4.5	
	271	326	13.9	7.5	3	253	347	2.5	0.23	2.9	4.4	2.8	
	271	326	13.9	7.5	3	253	347	2.5	0.23	2.9	4.4	2.8	
	265	316	11.1	6	3	253	347	2.5	0.3	2.3	3.4	2.2	
	265	316	11.1	6	3	253	347	2.5	0.3	2.3	3.4	2.2	
	277	348	16.7	9	4	257	383	3	0.3	2.3	3.4	2.2	
	271	336	11.1	6	4	257	383	3	0.4	1.7	2.5	1.6	
	290	383	22.3	12	4	257	423	3	0.27	2.5	3.7	2.5	
	286	374	22.3	12	4	257	423	3	0.35	1.9	2.9	1.8	
	303	423	22.3	12	5	260	480	4	0.31	2.2	3.3	2.2	
260	287	331	8.3	4.5	2.1	271	349	2	0.18	3.8	5.6	3.6	
	295	360	16.7	9	4	275	385	3	0.23	2.9	4.4	2.8	
	289	347	11.1	6	4	275	385	3	0.33	2	3	2	
	301	380	16.7	9	4	277	423	3	0.31	2.2	3.3	2.2	
	293	368	13.9	7.5	4	277	423	3	0.4	1.7	2.5	1.6	
	311	421	22.3	12	5	280	460	4	0.27	2.5	3.7	2.5	
	312	408	22.3	12	5	280	460	4	0.35	1.9	2.9	1.8	
	328	458	22.3	12	6	286	514	5	0.31	2.2	3.3	2.2	
280	308	352	11.1	6	2.1	291	369	2	0.16	4.2	6.3	4	

3 表格 / Tables

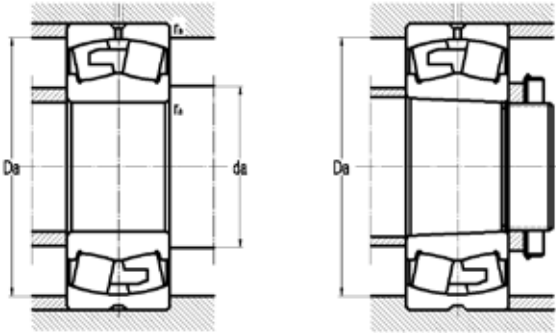
3.21 调心滚子轴承 / Spherical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
圆柱孔	圆锥孔	d	D	B	动态	静态	油	脂	
					Dynamic	Static	Oil	Grease	
Cylindrical Bore	Tapered Bore	d	D	B	C	C ₀			kg
		mm	mm	mm	kN	kN	rpm	rpm	
23056 CA	23056 CAK	280	420	106	1640	2700	1000	810	52.5
24056 CA	24056 CAK		420	140	2050	3610	910	600	69.5
23156 CA	23156 CAK		460	146	2520	4040	840	600	97.0
24156 CA	24156 CAK		460	180	2950	4850	560	400	120
22256 CA	22256 CAK		500	130	2670	2560	980	680	115
23256 CA	23256 CAK		500	176	3090	4660	700	470	150
22356 CA	22356 CAK		580	175	3800	4940	700	470	235
23960 CA	23960 CAK	300	420	90	1300	2380	1000	880	39.5
23060 CA	23060 CAK		460	118	2010	3280	980	680	71.5
24060 CA	24060 CAK		460	160	2570	4510	770	540	97.0
23160 CA	23160 CAK		500	160	3040	4850	770	600	125
24160 CA	24160 CAK		500	200	3560	5990	490	340	160
22260 CA	22260 CAK		540	140	3000	4040	910	600	145
23260 CA	23260 CAK		540	192	3700	5560	630	470	190
23964 CA	23964 CAK	320	440	90	1360	2570	980	680	42.0
23064 CA	23064 CAK		480	121	2130	3610	910	680	78.0
24064 CA	24064 CAK		480	160	2700	4850	770	470	100
23164 CA	23164 CAK		540	176	3560	5700	700	540	165
24164 CA	24164 CAK	320	540	218	4040	6750	420	270	210
22264 CA	22264 CAK		580	150	3420	4660	840	600	175
23264 CA	23264 CAK		580	208	4180	6370	630	450	240
23968 CA	23968 CAK	340	460	90	1390	2660	910	810	45.5
23068 CA	23068 CAK		520	133	2570	4320	840	640	105
24068 CA	24068 CAK		520	180	3280	5890	700	470	140
23168 CA	23168 CAK		580	190	4040	6460	660	510	210
24168 CA	24168 CAK		580	243	5040	8220	420	270	280
23268 CA	23268 CAK		620	224	4850	7410	530	340	285
23972 CA	23972 CAK	360	480	90	1330	2610	840	740	46.0

3 表格 / Tables

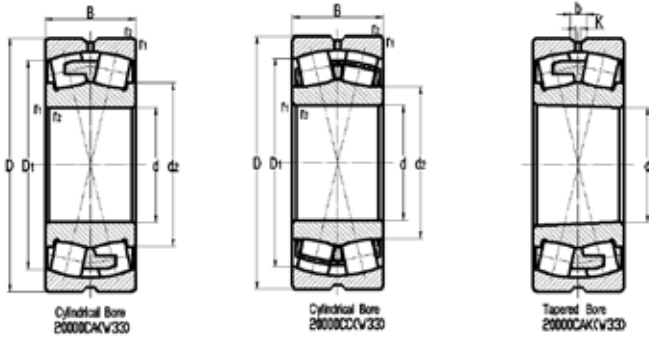
3.21 调心滚子轴承 / Spherical Roller Bearings



	尺寸					挡肩及倒角尺寸				计算系数			
	Diameter					Shoulder & Chamfer Size				Calculation Coefficient			
					最小	最大	最小	最大					
		≈	≈		min	max	min	max					
	d	d2	D1	b	K	r1,2	da	Da	r_a	e	Y	Y_2	Y_0
mm	mm	mm	mm	mm	mm	mm	mm	mm					
280	315	380	16.7	9	4	295	405	3	0.23	2.9	4.4	2.8	
	309	368	11.1	6	4	295	405	3	0.31	2.2	3.3	2.2	
	321	401	16.7	9	5	300	440	4	0.3	2.3	3.4	2.2	
	314	390	13.9	7.5	5	300	440	4	0.4	1.7	2.5	1.6	
	333	441	22.3	12	5	300	480	4	0.26	2.6	3.9	2.5	
	332	429	22.3	12	5	300	480	4	0.35	1.9	2.9	1.8	
	354	492	22.3	12	6	306	554	5	0.3	2.3	3.4	2.2	
300	333	385	11.1	6	3	313	407	2.5	0.19	3.6	5.3	3.6	
	340	414	16.7	9	4	315	445	3	0.23	2.9	4.4	2.8	
	331	400	13.9	7.5	4	315	445	3	0.33	2	3	2	
	345	434	46.7	9	5	320	480	4	0.3	2.3	3.4	2.2	
	338	422	13.9	7.5	5	320	480	4	0.4	1.7	2.5	1.6	
	354	477	22.3	12	5	320	520	4	0.26	2.6	3.9	2.5	
	356	461	22.3	12	5	320	520	4	0.35	1.9	2.9	1.8	
320	354	406	11.1	6	3	333	427	2.5	0.17	4	5.9	4	
	360	434	16.7	9	4	335	465	3	0.23	2.9	4.4	2.8	
	354	423	13.9	7.5	4	335	465	3	0.31	2.2	3.3	2.2	
	370	465	22.3	12	5	340	520	4	0.31	2.2	3.3	2.2	
320	364	455	16.7	9	5	340	520	4	0.4	1.7	2.5	1.6	
	379	513	22.3	12	5	340	560	4	0.26	2.6	3.9	2.5	
	382	493	22.3	12	5	340	560	4	0.35	1.9	2.9	1.8	
340	373	426	11.1	6	3	353	447	2.5	0.17	4	5.9	4	
	385	468	22.3	12	5	358	502	4	0.24	2.8	4.2	2.8	
	377	453	16.7	9	5	358	502	4	0.33	2	3	2	
	394	498	22.3	12	5	360	560	4	0.31	2.2	3.3	2.2	
	383	491	16.7	9	5	360	560	4	0.4	1.7	2.5	1.6	
	426	528	22.3	12	6	366	594	5	0.35	1.9	2.9	1.8	
360	394	447	11.1	6	3	373	467	2.5	0.15	4.5	6.7	4.5	

3 表格 / Tables

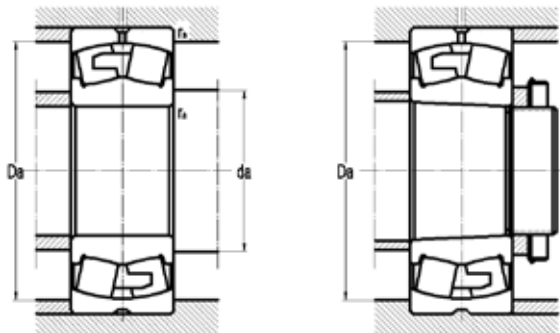
3.21 调心滚子轴承 / Spherical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
圆柱孔	圆锥孔	d	D	B	动态	静态	油	脂	
					Dynamic	Static	Oil	Grease	
Cylindrical Bore	Tapered Bore	d	D	B	C	C ₀			kg
		mm	mm	mm	kN	kN	rpm	rpm	
23072 CA	23072 CAK	360	540	134	2610	4560	770	600	110
24072 CA	24072 CAK		540	180	3370	6220	660	450	145
23172 CA	23172 CAK		600	192	4090	6600	660	470	220
24172 CA	24172 CAK		600	243	5320	8830	400	260	280
22272 CA	22272 CAK		650	170	4090	5890	560	400	255
23272 CA	23272 CAK		650	232	5130	7890	490	340	335
23976 CA	23976 CA	380	520	106	1860	3610	770	680	69.0
23076 CA	23076 CA		560	135	2760	4750	770	540	115
24076 CA	24076 CA		560	180	3420	6460	630	400	150
23176 CA	23176 CA		620	194	4180	6750	660	340	230
24176 CA	24176 CA		620	243	5410	9310	350	200	300
23276 CA	23276 CA		680	240	5560	8690	490	320	375
23980 CA	23980 CAK	400	540	106	1900	3700	770	680	71.0
23080 CA	23080 CAK		600	148	3090	5560	700	540	150
24080 CA	24080 CAK		600	200	4090	7600	560	400	205
23180 CA	23180 CAK		650	200	4420	7270	630	340	265
24180 CA	24180 CAK		650	250	5890	10000	280	200	340
23280 CA	23280 CAK		720	256	6220	9880	420	270	450
22380 CA	22380 CAK		820	243	7120	9880	490	270	650
23984 CA	23984 CAK	420	560	106	1940	3940	700	640	74.5
23084 CA	23084 CAK	420	620	150	3230	5700	700	390	155
24084 CA	24084 CAK		620	200	4180	7890	560	340	210
23184 CA	23184 CAK		700	224	5320	8830	560	270	350
24184 CA	24184 CAK		700	280	6980	11970	280	200	445
23284 CA	23284 CAK		760	272	6980	11020	420	290	535
23988 CA	23988 CAK	440	600	118	2330	4660	660	600	99.5
23088 CA	23088 CAK		650	157	3470	6220	660	340	180
24088 CA	24088 CAK		650	212	4560	8690	560	320	245

3 表格 / Tables

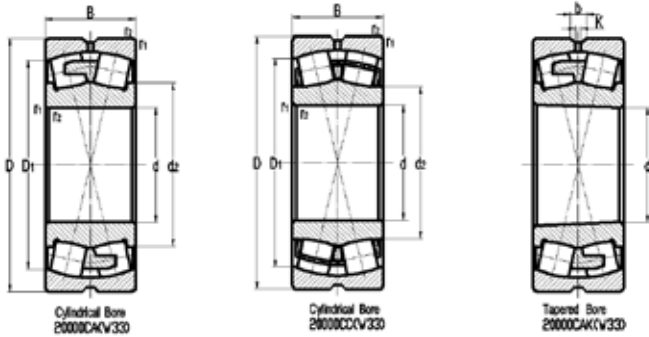
3.21 调心滚子轴承 / Spherical Roller Bearings



	尺寸					挡肩及倒角尺寸				计算系数			
	Diameter					Shoulder & Chamfer Size				Calculation Coefficient			
					最小	最大	最小	最大					
		≈	≈		min	max	min	max					
	d	d2	D1	b	K	r1,2	da	Da	r_a	e	Y	Y_2	Y_0
mm	mm	mm	mm	mm	mm	mm	mm	mm					
360	404	483	22.3	12	5	378	522	4	0.23	2.9	4.4	2.8	
	397	474	16.7	9	5	378	522	4	0.31	2.2	3.3	2.2	
	418	524	22.3	12	5	380	580	4	0.3	2.3	3.4	2.2	
	404	511	16.7	9	5	380	580	4	0.4	1.7	2.5	1.6	
	453	568	22.3	12	6	386	624	5	0.26	2.6	3.9	2.5	
	447	552	22.3	12	6	386	624	5	0.35	1.9	2.9	1.8	
380	419	481	13.9	7.5	4	395	505	3	0.17	4	5.9	4	
	426	509	22.3	12	5	398	542	4	0.22	3	4.6	2.8	
	419	497	16.7	9	5	398	542	4	0.3	2.3	3.4	2.2	
	452	541	22.3	12	5	400	600	4	0.3	2.3	3.4	2.2	
	442	532	16.7	9	5	400	600	4	0.37	1.8	2.7	1.8	
	471	581	22.3	12	6	406	654	5	0.35	1.9	2.9	1.8	
400	439	500	13.9	7.5	4	415	525	3	0.16	4.2	6.3	4	
	450	543	22.3	12	5	418	582	4	0.23	2.9	4.4	2.8	
	471	527	22.3	12	5	418	582	4	0.3	2.3	3.4	2.2	
	474	566	22.3	12	6	426	624	5	0.28	2.4	3.6	2.5	
	465	559	22.3	12	6	426	624	5	0.37	1.8	2.7	1.8	
	499	615	22.3	12	6	426	694	5	0.35	1.9	2.9	1.8	
	534	697	22.3	12	7.5	432	788	6	0.3	2.3	3.4	2.2	
420	459	520	16.7	9	4	435	545	3	0.16	4.2	6.3	4	
420	485	563	22.3	12	5	438	602	4	0.22	3	4.6	2.8	
	476	547	22.3	12	5	438	602	4	0.3	2.3	3.4	2.2	
	483	607	22.3	12	6	446	674	5	0.3	2.3	3.4	2.2	
	494	597	22.3	12	6	446	674	5	0.4	1.7	2.5	1.6	
	525	649	22.3	12	7.5	452	728	6	0.35	1.9	2.9	1.8	
440	484	553	16.7	9	4	455	585	3	0.16	4.2	6.3	4	
	509	590	22.3	12	6	463	627	5	0.22	3	4.6	2.8	
	498	572	22.3	12	6	463	627	5	0.3	2.3	3.4	2.2	

3 表格 / Tables

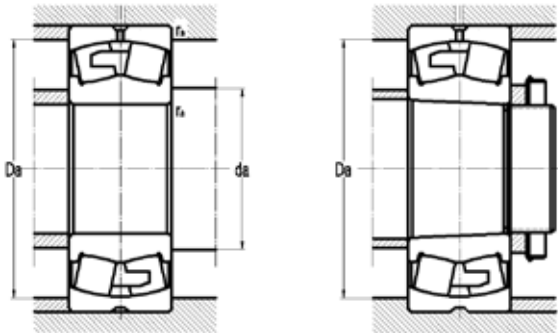
3.21 调心滚子轴承 / Spherical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
圆柱孔	圆锥孔	d	D	B	动态	静态	油	脂	
					Dynamic	Static	Oil	Grease	
Cylindrical Bore	Tapered Bore	d	D	B	C	C ₀			
		mm	mm	mm	kN	kN	rpm	rpm	kg
23188 CA	23188 CAK	440	720	226	5700	9500	560	290	360
24188 CA	24188 CAK		720	280	7120	12500	290	190	460
23288 CA	23288 CAK		790	280	7410	11800	400	270	590
23992 CA	23992 CAK	460	620	118	2370	4750	660	390	105
23092 CA	23092 CAK		680	163	3700	6600	630	360	205
24092 CA	24092 CAK		680	218	4940	9500	530	300	275
23192 CA	23192 CAK		760	240	6080	10200	530	270	440
24192 CA	24192 CAK		760	300	7890	13800	280	180	560
23292 CA	23292 CAK		830	296	8070	13000	370	260	695
23996 CA	23996 CAK	480	650	128	2760	5400	660	360	125
23096 CA	23096 CAK		700	165	3700	6460	630	240	215
24096 CA	24096 CAK		700	218	5030	9880	500	280	285
23196 CA	23196 CAK		790	248	6600	11400	500	260	485
24196 CA	24196 CAK		790	308	8550	14820	260	160	605
23296 CA	23296 CAK		870	310	8830	14200	350	240	800
230/500 CA	230/500 CAK	500	720	167	3940	7410	600	320	225
231/500 CA	231/500 CAK		830	264	7260	12200	460	240	580
232/500 CA	232/500 CAK		920	336	10000	16400	330	230	985
230/530 CA	230/530 CAK	530	780	185	4840	8830	530	290	310
230/560 CA	230/560 CAK	560	820	195	5320	9690	500	270	355
231/560 CA	231/560 CAK		920	280	8690	15200	410	220	740
241/560 CA	241/560 CAK		920	355	11400	20500	210	140	985
230/600 CA	230/600 CAK	600	870	200	5700	10800	460	260	405
231/600 CA	231/600 CAK		980	300	9690	17100	370	200	895
241/600 CA	241/600 CAK		980	375	12500	22400	200	130	1200
230/630 CA	230/630 CAK	630	920	212	6360	11800	440	240	485
231/630 CA	231/630 CAK		1030	315	11400	19700	350	160	1050
239/670 CA	239/670 CAK	670	900	170	4750	10200	440	230	315

3 表格 / Tables

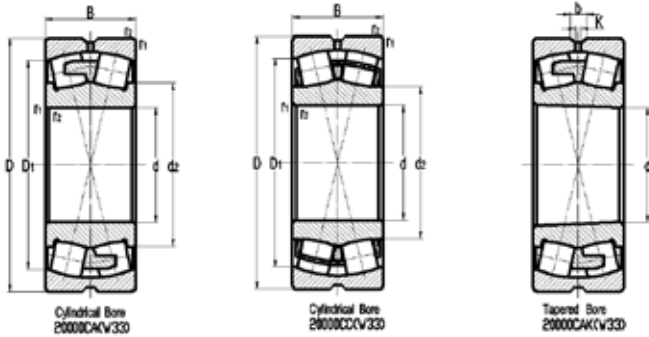
3.21 调心滚子轴承 / Spherical Roller Bearings



	尺寸					挡肩及倒角尺寸				计算系数			
	Diameter					Shoulder & Chamfer Size				Calculation Coefficient			
						最小	最大	最小	最大				
		≈	≈			min	max	min	max				
	d	d2	D1	b	K	r1,2	da	Da	r _a	e	Y	Y ₂	Y ₀
mm	mm	mm	mm	mm	mm	mm	mm	mm					
440	528	632	22.3	12	6	466	694	5	0.3	2.3	3.4	2.2	
	516	618	22.3	12	6	466	694	5	0.37	1.8	2.7	1.8	
	547	676	22.3	12	7.5	472	758	6	0.35	1.9	2.9	1.8	
460	512	574	16.7	9	4	475	605	3	0.16	4.2	6.3	4	
	531	617	22.3	12	6	483	657	5	0.22	3	4.6	2.8	
	523	601	22.3	12	6	483	657	5	0.28	2.4	3.6	2.5	
	553	666	22.3	12	7.5	492	728	6	0.3	2.3	3.4	2.2	
	544	649	22.3	12	7.5	492	728	6	0.37	1.8	2.7	1.8	
	572	706	22.3	12	7.5	492	798	6	0.35	1.9	2.9	1.8	
480	532	602	16.7	9	5	498	632	4	0.18	3.8	5.6	3.6	
	547	633	22.3	12	6	503	677	5	0.21	3.2	4.8	3.2	
	541	619	22.3	12	6	503	677	5	0.28	2.4	3.6	2.5	
	577	692	22.3	12	7.5	512	758	6	0.3	2.3	3.4	2.2	
	564	678	22.3	12	7.5	512	758	6	0.37	1.8	2.7	1.8	
	600	741	22.3	12	7.5	512	838	6	0.35	1.9	2.9	1.8	
500	571	658	22.3	12	6	523	697	5	0.21	3.2	4.8	3.2	
	603	726	22.3	12	7.5	532	798	6	0.3	2.3	3.4	2.2	
	631	779	22.3	12	7.5	532	888	6	0.35	1.9	2.9	1.8	
530	611	710	22.3	12	6	553	757	5	0.22	3	4.6	2.8	
560	644	746	22.3	12	6	583	797	5	0.22	3	4.6	2.8	
	673	809	22.3	12	7.5	592	888	6	0.3	2.3	3.4	2.2	
	634	796	22.3	12	7.5	592	888	6	0.35	1.9	2.9	1.8	
600	683	789	22.3	12	6	623	847	5	0.22	3	4.6	2.8	
	720	863	22.3	12	7.5	632	948	6	0.3	2.3	3.4	2.2	
	702	845	22.3	12	7.5	632	948	6	0.37	1.8	2.7	1.8	
630	725	839	22.3	12	7.5	658	892	6	0.21	3.2	4.8	3.2	
	755	918	22.3	12	7.5	662	998	6	0.3	2.3	3.4	2.2	
670	749	835	22.3	12	6	693	877	5	0.17	4	5.9	4	

3 表格 / Tables

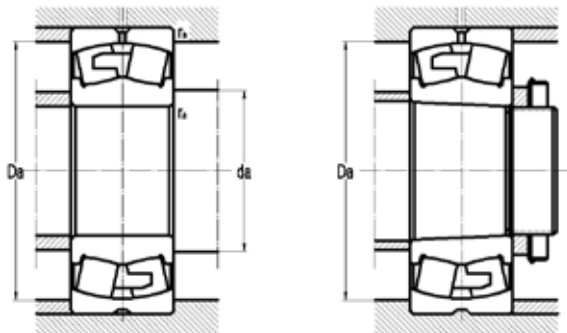
3.21 调心滚子轴承 / Spherical Roller Bearings



型号		尺寸			基本额定负荷		极限转速		重量
Code		Dimension			Load Rating		Limiting Speed		Weight
圆柱孔	圆锥孔	d	D	B	动态	静态	油	脂	
					Dynamic	Static	Oil	Grease	
Cylindrical Bore	Tapered Bore	d	D	B	C	C ₀			
		mm	mm	mm	kN	kN	rpm	rpm	kg
231/670 CA	231/670 CAK	670	1090	336	11800	21200	330	150	1250
239/710 CA	239/710 CAK	710	950	180	5320	11400	400	220	365
230/710 CA	230/710 CAK		1030	236	7880	15400	370	200	670
231/710 CA	231/710 CAK		1150	345	13300	24700	300	150	1450
230/750 CA	230/750 CAK	750	1090	250	9180	17600	350	190	795
231/750 CA	231/750 CAK		1220	365	14800	27500	280	130	1700
230/800 CA	230/800 CAK	800	1150	258	9500	19000	320	160	895
231/800 CA	231/800 CAK		1280	375	16400	29900	260	130	1920
230/850 CA	230/850 CAK	850	1220	272	10200	20500	300	150	1050
231/850 CA	231/850 CAK		1360	400	17300	32700	230	120	2200
230/900 CA	230/900 CAK	900	1280	280	11000	22000	260	130	1200
230/950 CA	230/950 CAK	950	1360	300	13000	27000	250	120	1450
230/1000 CA	230/1000 CAK	1000	1420	308	13800	28900	240	120	1600
230/1060 CA	230/1060 CAK	1060	1500	325	15200	32300	210	100	2250

3 表格 / Tables

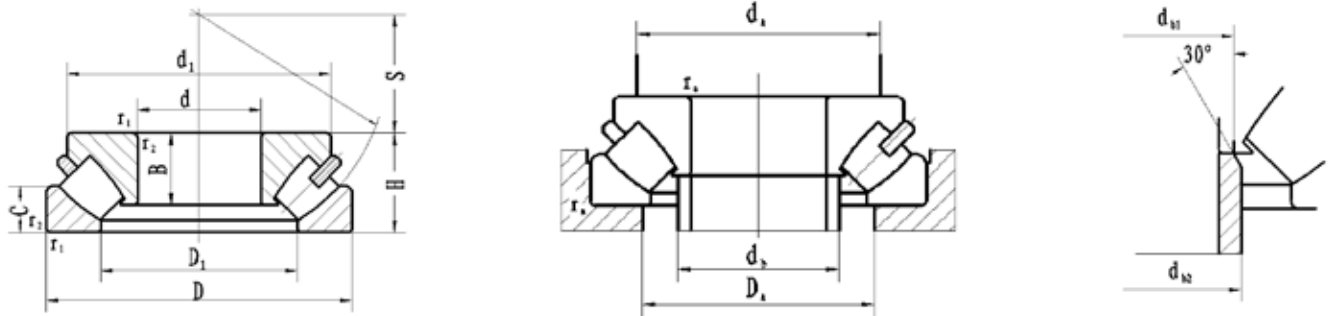
3.21 调心滚子轴承 / Spherical Roller Bearings



尺寸						挡肩及倒角尺寸				计算系数			
Diameter						Shoulder & Chamfer Size				Calculation Coefficient			
					最小	最大	最小	最大					
	≈	≈			min	max	min	max					
d	d2	D1	b	K	r1,2	da	Da	r_a	e	Y	Y_2	Y_0	
mm	mm	mm	mm	mm	mm	mm	mm	mm					
670	802	959	22.3	12	7.5	702	1058	6	0.3	2.3	3.4	2.2	
710	788	882	22.3	12	6	733	927	5	0.17	4	5.9	4	
	814	941	22.3	12	7.5	738	1002	6	0.21	3.2	4.8	3.2	
	850	1097	22.3	12	9.5	750	1110	8	0.28	2.4	3.6	2.5	
750	860	998	22.3	12	7.5	778	1062	6	0.21	3.2	4.8	3.2	
	900	1080	22.3	12	9.5	790	1180	8	0.28	2.4	3.6	2.5	
800	915	1053	22.3	12	7.5	828	1122	6	0.2	3.4	5	3.2	
	950	1141	22.3	12	9.5	840	1240	8	0.28	2.4	3.6	2.5	
850	969	1117	22.3	12	7.5	878	1192	6	0.2	3.4	5	3.2	
	1010	1205	22.3	12	12	898	1312	10	0.28	2.4	3.6	2.5	
900	1023	1176	22.3	12	7.5	928	1252	6	0.2	3.4	5	3.2	
	950	1083	22.3	12	7.5	978	1332	6	0.2	3.4	5	3.2	
1000	1139	1305	22.3	12	7.5	1028	1392	6	0.19	3.6	5.3	3.6	
1060	1202	1378	22.3	12	9.5	1094	1466	8	0.19	3.6	5.3	3.6	

3 表格 / Tables

3.22 推力调心滚子轴承, $d \leq 300\text{mm}$ / Thrust Spherical Roller Bearings, $d \leq 300\text{mm}$



型号 Code	尺寸 Dimension			基本额定负荷 Load Rating		疲劳负荷极限 Fatigue Stress Limit	极限转速 Limiting Speed		重量 Weight
	d mm	D mm	H mm	动态 Dynamic	静态 Static	Pu kN	油 Oil	脂 Grease	
				C	C ₀		rpm	rpm	
				kN	kN		rpm	rpm	
29412	60	130	42	390	1054	129	2450	1700	2.68
29413	65	140	45	447	1214	147	2300	1600	3.55
29414	70	150	48	506	1393	165	2100	1500	4.29
29315	75	135	36	291	879	106	2100	1500	2.09
29415		160	51	564	1573	205	2100	1500	5.13
29416	80	170	54	628	1752	200	1900	1450	5.65
29317	85	150	39	381	1170	136	2100	1500	2.75
29417		180	58	711	2097	264	1700	1250	7.54
29318	90	155	39	380	1250	143	2100	1500	3.16
29418		190	60	730	2070	228	1700	1250	8.44
29320	100	170	42	430	1340	149	1900	1450	3.99
29420		210	67	913	2636	282	1500	1050	11.00
29322	110	190	48	569	1842	199	1700	1250	5.30
29422		230	73	1110	3220	335	1350	900	14.40
29324	120	210	54	686	2223	233	1500	1050	7.74
29424		250	78	1144	3469	352	1250	850	17.83
29326	130	225	58	780	2510	258	1450	950	8.17
29426		270	85	1490	4640	460	1150	800	22.58
29328	140	240	60	866	2890	291	1350	900	10.80
29428		280	85	1520	4660	455	1150	800	23.10
29330	150	250	60	884	2930	290	1350	900	11.10
29430		300	90	1720	5570	533	1050	750	30.50
29332	160	270	67	1070	3740	363	1150	800	15.00
29432		320	95	1844	5815	545	950	700	35.60
29334	170	280	67	1060	3700	354	1150	800	15.39
29434		340	103	2170	6850	631	900	650	41.00
29336	180	300	73	1240	4410	414	1050	750	20.00
29436		360	109	2340	7430	673	1700	650	48.50

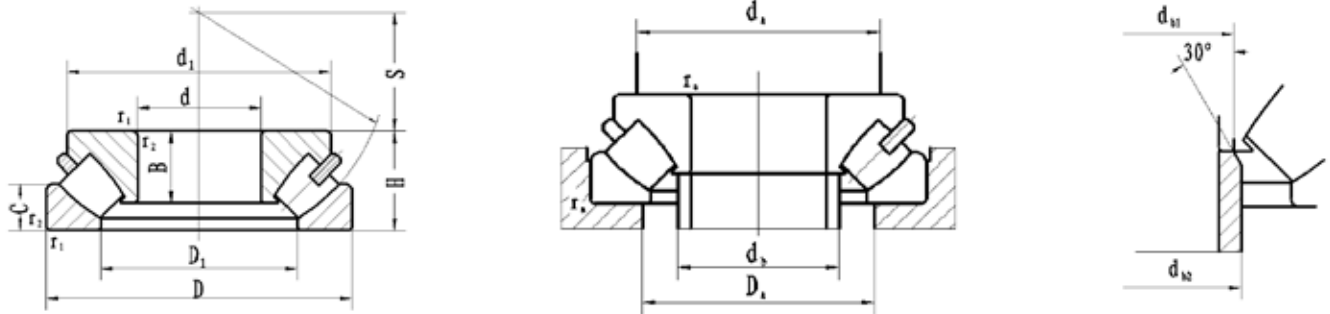
3 表格 / Tables

3.22 推力调心滚子轴承, $d \leq 300\text{mm}$ / Thrust Spherical Roller Bearings, $d \leq 300\text{mm}$

	尺寸							挡肩及倒角尺寸				
	Diameter							Shoulder & Chamfer Size				
						最小		最小	最大	最大	最大	最大
		≈	≈			min		min	max	max	max	max
	d	d ₁	D ₁	B	C	r _{1,2}	S	d _a	d _{b1}	d _{b2}	D _a	r _a
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
60	118	85.0	36.5	20.5	1.5	38	90	67.0	67.0	107	1.5	
65	127	92.5	38.5	21.5	2.0	42	100	72.0	72.0	117	2.0	
70	136	98.5	41.5	23.5	2.0	44	105	77.5	77.5	125	2.0	
75	125	95.0	30.0	18.0	1.5	44	105	80.0	80.0	110	1.5	
	146	105.0	43.0	25.0	2.0	47	115	82.5	82.5	133	2.0	
80	154	113.0	45.0	26.0	2.1	50	120	88.0	88.0	141	2.0	
85	139	110.0	32.5	19.0	1.5	50	115	90.0	90.0	129	1.5	
	165	118.0	48.5	28.0	2.1	54	130	94.0	94.0	151	2.0	
90	145	115.0	34.0	19.5	1.5	52	120	95.0	95.0	134	1.5	
	170	127.5	50.0	29.0	2.1	56	135	99.0	99.0	158	2.0	
100	157	130.0	35.0	20.5	1.5	58	130	107.0	107.0	147	1.5	
	191	140.0	54.0	32.5	3.0	62	150	110.0	110.0	175	2.5	
110	175	142.3	40.0	23.0	2.0	64	145	117.0	117.0	164	2.0	
	208	155.0	58.5	34.5	3.0	69	165	120.5	129.0	193	2.5	
120	195	155.0	45.0	27.2	2.1	70	160	128.0	128.0	181	2.0	
	226	169.0	63.0	37.5	4.0	74	180	132.0	142.0	209	3.0	
130	205	168.0	45.5	28.0	2.1	76	175	138.0	143.0	194	2.0	
	242	179.3	70.0	41.0	4.0	81	195	142.5	153.0	227	3.0	
140	220	181.0	48.0	29.0	2.1	82	185	148.0	154.0	208	2.0	
	254	193.5	67.0	40.0	4.0	86	205	153.0	162.0	236	3.0	
150	231	192.0	48.0	29.0	2.1	87	195	158.0	163.0	219	2.0	
	270	204.0	71.0	44.0	4.0	92	220	163.0	175.0	253	3.0	
160	252	204.0	53.5	32.0	3.0	92	210	169.0	176.0	235	2.5	
	289	223.5	73.0	45.0	5.0	99	235	175.0	189.0	270	4.0	
170	260	214.0	53.0	33.0	3.0	96	220	178.0	188.0	245	2.5	
	305	235.0	79.0	50.0	5.0	104	250	185.0	199.0	286	4.0	
180	280	227.0	56.0	35.8	3.0	103	235	189.0	195.0	262	2.5	
	315	250.0	82.0	52.0	5.0	110	265	196.0	210.0	304	4.0	

3 表格 / Tables

3.22 推力调心滚子轴承, $d \leq 300\text{mm}$ / Thrust Spherical Roller Bearings, $d \leq 300\text{mm}$



型号 Code	尺寸 Dimension			基本额定负荷 Load Rating		疲劳负荷极限 Fatigue Stress Limit	极限转速 Limiting Speed		重量 Weight
	d mm	D mm	H mm	动态 Dynamic	静态 Static	Pu kN	油 Oil	脂 Grease	
				C	C ₀		rpm	rpm	
				kN	kN		rpm	rpm	
29238	190	270	48	640	2650	252	1350	-	9.14
29338		320	78	1460	5200	479	950	700	26.10
29438	190	380	115	2572	8300	739	800	600	58.90
29240	200	280	48	608	2430	228	1350	-	9.10
29340		340	85	1670	5820	527	900	650	30.50
29440		400	122	3010	10170	892	750	550	73.60
29244	220	300	48	529	3020	277	1250	-	10.00
29344		360	85	1690	6050	536	900	650	31.70
29444		420	122	3070	10600	912	700	550	77.70
29248	240	340	60	854	4150	368	1050	-	16.80
29348		380	85	1750	6400	556	850	650	34.10
29448		440	122	2990	10200	862	700	550	79.00
29252	260	360	60	1050	4600	400	1050	-	18.10
29352		420	95	2170	8320	703	750	550	48.70
29452		480	132	3590	12550	1034	650	500	101.00
29256	280	380	60	1070	4780	407	950	-	18.50
29356		440	95	2200	8500	706	750	550	52.70
29456		520	145	4128	13990	1126	600	450	125.00
29260	300	420	73	1365	7170	595	850	-	33.65
29360		480	109	2760	10700	867	650	500	72.90
29460		540	145	4340	15700	1245	550	450	131.00

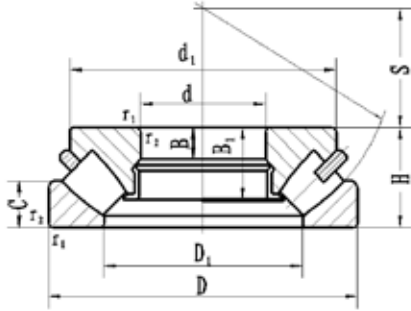
3 表格 / Tables

3.22 推力调心滚子轴承, $d \leq 300\text{mm}$ / Thrust Spherical Roller Bearings, $d \leq 300\text{mm}$

		尺寸						挡肩及倒角尺寸				
		Diameter						Shoulder & Chamfer Size				
					最小		最小	最大	最大	最大	最大	
	≈	≈			min		min	max	max	max	max	
d	d ₁	D ₁	B	C	r _{1,2}	S	d _a	d _{b1}	d _{b2}	D _a	r _a	
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
190	258	222.0	39.0	24.0	2.0	104	225	200.0	200.0	243	2.0	
	298	242.0	60.0	38.0	4.0	110	250	200.0	211.0	280	3.0	
190	346	260.0	88.0	56.0	5.0	117	280	207.0	223.0	321	4.0	
200	266	234.5	37.0	24.0	2.0	108	235	206.0	207.0	253	2.0	
	316	257.5	66.0	40.0	4.0	116	265	211.0	224.0	297	3.0	
	360	269.5	96.0	59.5	5.0	122	295	217.5	234.0	337	4.0	
220	286	254.0	39.0	24.0	2.0	117	255	224.5	227.0	271	2.0	
	333	277.0	65.0	41.0	4.0	125	285	229.0	240.0	316	3.0	
	380	292.0	95.0	59.0	6.0	132	315	238.0	254.0	358	5.0	
240	323	282.0	46.0	30.0	2.1	130	290	-	-	308	2.0	
	353	299.0	64.0	41.0	4.0	135	305	249.0	259.0	336	3.0	
	405	318.0	93.0	59.0	6.0	142	335	258.0	276.0	378	5.0	
260	345	302.0	48.0	30.0	2.1	139	310	-	-	326	2.0	
	392	324.0	72.0	47.0	5.0	148	335	273.0	286.0	370	4.0	
	442	344.0	100.0	65.0	6.0	154	365	278.0	296.0	412	5.0	
280	362	322.0	46.0	30.0	2.1	150	325	-	-	347	2.0	
	405	348.0	70.0	46.0	5.0	158	355	293.0	305.0	390	4.0	
	470	378.0	107.0	68.0	6.0	166	395	300.0	320.0	446	5.0	
300	402	344.5	63.0	38.0	3.0	162	360	-	-	380	2.5	
	450	373.0	83.0	53.0	5.0	168	385	313.0	329.0	423	4.0	
	500	392.0	112.0	70.5	6.0	175	415	319.0	340.0	465	5.0	

3 表格 / Tables

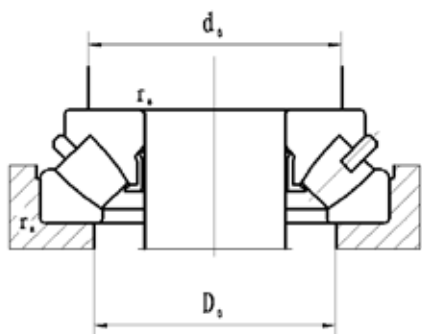
3.22 推力调心滚子轴承, $d \leq 300\text{mm}$ / Thrust Spherical Roller Bearings, $d \leq 300\text{mm}$



型号 Code	尺寸 Dimension			基本额定负荷 Load Rating		疲劳负荷极限 Fatigue Stress Limit	极限转速 Limiting Speed		重量 Weight
	d mm	D mm	H mm	动态 Dynamic	静态 Static	Pu kN	油 Oil	脂 Grease	kg
				C	C ₀		rpm	rpm	
				kN	kN				
29264	320	440	73	1400	7000	572	810	-	32.60
29364		500	109	2820	11280	901	640	480	76.50
29464		580	155	5060	18500	1437	530	410	171.00
29468	340	620	170	5650	20000	1524	480	360	209.00
29272	360	500	85	1800	8510	670	710	-	52.00
29372		560	122	3430	13830	1067	570	-	108.00
29472		640	170	5840	21500	1618	480	-	226.00
29376	380	600	132	3790	15800	1196	500	-	139.00
29476		670	175	6400	24500	1817	460	-	249.40
29280	400	540	85	2000	9600	736	670	-	54.40
29380		620	132	4130	16900	1264	500	-	137.00
29480		710	185	6730	25740	1877	430	-	295.00
29284	420	580	95	2370	11190	842	600	-	73.90
29484		730	185	6890	26520	1914	410	-	362.20
29488	440	780	206	8120	30810	2184	360	-	401.00
29292MB	460	620	95	2450	12250	901	570	-	86.70
29392		710	150	5210	22190	1593	430	-	222.00
29492		800	206	8550	33380	2344	360	-	416.00
29296	480	650	103	2950	14460	1049	530	-	93.00
29396		730	150	4990	21700	1542	430	-	218.00
29496		850	224	9880	38210	2639	320	-	505.00
292/500	500	670	103	3000	15200	1091	530	-	102.25
293/500		750	150	5160	23070	1624	410	-	232.00
294/500		870	224	10000	39870	2730	320	-	524.04
292/530	530	710	109	3340	16870	1190	480	-	115.00
294/530		920	236	10800	44480	2994	300	-	650.00
294/560	560	980	250	12110	48430	3201	290	-	772.40
292/600	600	800	122	4120	21390	1455	430	-	179.70

3 表格 / Tables

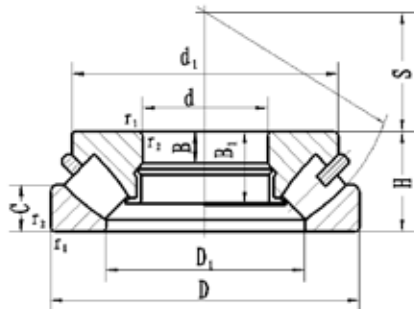
3.22 推力调心滚子轴承, $d \leq 300\text{mm}$ / Thrust Spherical Roller Bearings, $d \leq 300\text{mm}$



		尺寸						挡肩及倒角尺寸			
		Diameter						Shoulder & Chamfer Size			
		≈	≈				最小		最小	最大	最大
							min		min	max	max
	d	d_1	D_1	B	B_1	C	$r_{1,2}$	S	d_a	D_a	r_a
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
	320	422	367.0	22	58.0	38.0	3.0	172	380	400	2.5
		470	393.0	38	83.0	53.0	5.0	180	405	442	4.0
		530	422.0	56	118.0	75.0	7.5	191	450	500	6.0
	340	560	456.0	61	128.0	78.0	7.5	201	475	530	6.0
	360	485	423.0	25	62.0	44.0	4.0	194	430	453	3.0
		522	442.0	42	89.0	59.0	5.0	202	460	500	4.0
		585	470.0	62	130.0	82.0	7.5	210	495	550	6.0
	380	562	471.0	46	102.0	63.5	6.0	216	495	535	5.0
		620	485.0	65	134.0	85.0	7.5	230	525	580	6.0
	400	514	460.0	27	63.0	42.0	4.0	212	470	493	3.0
		580	490.0	45	98.0	65.0	6.0	225	510	550	5.0
		652	524.0	68	139.0	89.0	7.5	236	550	615	6.0
	420	550	489.0	30	72.5	46.0	5.0	225	500	525	4.0
		700	546.0	67	143.0	89.0	7.5	244	575	635	6.0
	440	745	576.0	74	153.0	100.0	9.5	260	605	675	8.0
	460	605	530.0	30	76.5	46.0	5.0	245	540	565	4.0
		666	563.5	52	114.0	73.5	6.0	257	585	630	5.0
		740	592.0	76	154.0	100.0	9.5	272	630	695	8.0
	480	620	550.0	34	78.0	52.0	5.0	259	570	595	4.0
		685	586.0	52	112.0	73.0	6.0	270	610	655	5.0
		770	625.0	81	164.0	109.0	9.5	280	660	735	8.0
	500	642	570.0	34	77.0	53.0	5.0	268	585	615	4.0
		707	601.0	51	111.0	74.0	6.0	280	630	675	5.0
		805	646.0	82	166.0	108.0	12.0	290	685	755	8.0
	530	680	604.0	36	82.0	57.0	5.0	288	620	655	4.0
		840	681.0	89	180.0	114.0	9.5	309	725	800	8.0
	560	890	727.0	93	184.0	120.0	12.0	328	770	850	10.0
	600	768	682.0	40	90.0	63.0	5.0	321	700	735	4.0

3 表格 / Tables

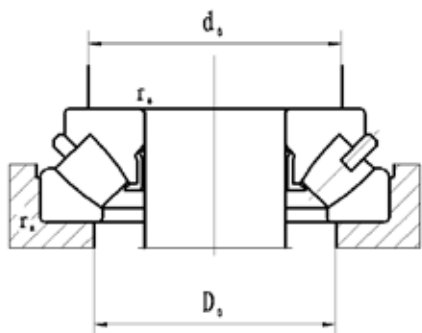
3.23 推力调心滚子轴承, $d > 300\text{mm}$ / Thrust Spherical Roller Bearings, $d > 300\text{mm}$



型号 Code	尺寸 Dimension			基本额定负荷 Load Rating		疲劳负荷极限 Fatigue Stress Limit	极限转速 Limiting Speed		重量 Weight
	d	D	H	动态 Dynamic	静态 Static	Pu	油 Oil	脂 Grease	kg
				C	C ₀		rpm	rpm	
	mm	mm	mm	kN	kN	kN	rpm	rpm	
294/600	600	1030	258	18700	55550	3610	270	-	868.00
292/670	670	900	140	5230	27800	1827	360	-	244.40
294/710	710	1220	308	17100	74200	4584	270	-	1440.00
292/750	750	1000	150	5800	31150	1982	320	-	314.00
294/750		1280	315	19020	83520	5082	190	-	1649.00
292/800	800	1060	155	6300	34300	2143	300	-	358.00
294/800		1360	335	20230	88470	5284	180	-	1991.00
294/850	850	1440	354	23300	104000	6103	160	-	2293.00
292/900	900	1180	170	7600	41250	2492	270	-	469.00

3 表格 / Tables

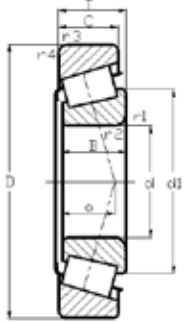
3.23 推力调心滚子轴承, $d > 300\text{mm}$ / Thrust Spherical Roller Bearings, $d > 300\text{mm}$



尺寸								挡肩及倒角尺寸		
Diameter								Shoulder & Chamfer Size		
						最小		最小	最大	最大
	≈	≈				min		min	max	max
d	d_1	D_1	B	B_1	C	$r_{1,2}$	S	d_a	D_a	r_a
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
600	940	769.0	98	194.0	128.0	12.0	347	815	900	10.0
670	860	766.0	45	103.0	73.0	6.0	364	790	825	5.0
710	1110	917.0	117	228.0	150.0	15.0	415	965	1070	12.0
750	956	861.0	50	110.0	74.0	6.0	409	880	925	5.0
	1180	954.0	118	237.0	155.5	15.0	436	1015	1120	12.0
800	1017	916.5	52	112.0	77.0	7.5	434	935	980	6.0
	1250	1034.0	123	244.5	165.0	15.0	462	1080	1185	12.0
850	1315	1077.0	142	266.0	172.0	15.0	494	1160	1270	12.0
900	1126	1025.0	54	123.0	84.0	7.5	477	1040	1080	6.0

3 表格 / Tables

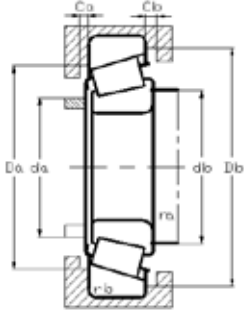
3.24 圆锥滚子轴承 / Tapered Roller Bearings



型号	尺寸			基本额定负荷		疲劳负荷极限	极限速度		重量
Code	Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed		Weight
				动态	静态		油	脂	
				Dynamic	Static		Oil	Grease	
	d	D	T	C	C ₀	P _u			
	mm	mm	mm	kN	kN	kN	rpm	rpm	kg
30302	15	42	14.25	20.2	18.1	1.9	16000	11000	0.095
30203	17	40	13.25	18.1	17.7	1.7	17000	12000	0.075
32303		47	20.25	38	31.8	3.5	15000	11000	0.17
32004	20	42	15	26.6	25.7	2.6	15000	12000	0.097
30204		47	15.25	30.4	26.6	2.9	14000	11000	0.12
30304		52	16.25	37.1	30.9	3.4	13000	11000	0.17
32304		52	22.25	48.5	43.2	4.8	13000	11000	0.23
320/22	22	44	15	23.8	27.6	2.7	14000	10000	0.1
32005	25	47	15	29.5	30.9	3.1	13000	11000	0.11
30205		52	16.25	33.7	31.8	3.3	12000	10000	0.15
32205		52	19.25	39.4	41.8	4.4	12000	9500	0.19
33205		52	22	51.3	53.2	5.7	12000	9500	0.23
30305		62	18.5	42.4	40.9	4.5	11000	8600	0.26
31305		62	18.25	36.1	38	4.2	10000	7100	0.26
32305		62	25.25	57.5	59.9	6.7	11000	7600	0.36
320/28	28	52	16	34.7	36.1	3.8	12000	9500	0.15
302/28		58	17.25	36.1	39.4	4.2	11000	8600	0.25
322/28		58	20.25	45.6	47.5	5.2	11000	9000	0.25
32006	30	55	17	38.5	41.8	4.3	11000	9500	0.17
30206		62	17.25	44.2	41.8	4.6	10000	8600	0.23
32206		62	21.25	55.6	54.2	6.0	10000	8600	0.28
33206		62	25	71.3	72.7	8.1	10000	8100	0.37
30306		72	20.75	60.8	53.2	6.1	9500	7600	0.39
31306		72	20.75	52.3	47.5	5.4	9000	7100	0.39
32306		72	28.75	83.6	80.8	9.2	9500	7100	0.55
26749F/710	32	53	14.5	25.7	33.7	3.5	11000	8600	0.11
320/32		58	17	40.4	44.2	4.6	10000	8600	0.19
32007	35	62	18	46.6	51.3	5.6	10000	8100	0.22

3 表格 / Tables

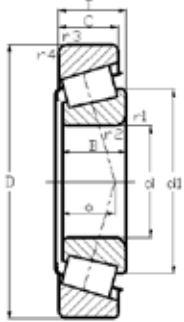
3.24 圆锥滚子轴承 / Tapered Roller Bearings



尺寸							挡肩及倒角尺寸									计算系数		
Diameter							Shoulder & Chamfer Size									Calculation Coefficient		
				最小	最小		最大	最小	最小	最大	最小	最小	最小	最大	最大			
				min	min		max	min	min	max	min	min	min	max	max			
d	d1	B	C	r1,2	r3,4	a	d _a	d _b	D _a	D _a	D _b	C _a	C _b	r _a	r _b	e	Y	Y ₀
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			
15	27.7	13	11	1	1	9	22	21	36	36	38	2	3	1	1	0.28	2.1	1.1
17	28	12	11	1	1	10	23	23	34	34	37	2	2	1	1	0.35	1.7	0.9
	30.7	19	16	1	1	12	24	23	39	41	43	3	4	1	1	0.28	2.1	1.1
20	31.1	15	12	0.6	0.6	10	25	25	36	37		2	3	0.6	0.6	0.37	1.6	0.9
	33.2	14	12	1	1	11	27	26	40	41	43	2	3	1	1	0.35	1.7	0.9
	34.3	15	13	1.5	1.5	11	28	27	44	45	47	2	3	1.5	1.5	0.3	2	1.1
	34.5	21	18	1.5	1.5	14	27	27	43	45	47	3	4	1.5	1.5	0.3	2	1.1
22	33.3	15	11.5	0.6	0.6	11	27	27	38	39	41	3	3.5	0.6	0.6	0.4	1.5	0.8
25	36.5	15	11.5	0.6	0.6	11	30	30	40	42	44	3	3.5	0.6	0.6	0.43	1.4	0.8
	37.4	15	13	1	1	12	31	31	44	46	48	2	3	1	1	0.37	1.6	0.9
	40.2	18	15	1	1	16	30	31	41	46	50	3	4	1	1	0.57	1.05	0.6
	38.6	22	18	1	1	14	30	31	43	46	49	4	4	1	1	0.35	1.7	0.9
	41.5	17	15	1.5	1.5	13	34	32	54	55	57	2	3	1.5	1.5	0.3	2	1.1
	45.8	17	13	1.5	1.5	20	34	32	47	55	59	3	5	1.5	1.5	0.83	0.72	0.4
	41.7	24	20	1.5	1.5	15	33	32	52	55	57	3	5	1.5	1.5	0.3	2	1.1
28	40.3	16	12	1	1	12	34	34	45	46	49	3	4	1	1	0.43	1.4	0.8
	41.8	16	14	1	1	13	35	34	50	52	54	2	3	1	1	0.37	1.6	0.9
	43.9	19	16	1	1	17	33	34	46	52	55	3	4	1	1	0.57	1.05	0.6
30	43	17	13	1	1	13	35	36	48	49	52	3	4	1	1	0.43	1.4	0.8
	44.6	16	14	1	1	14	38	36	53	56	57	2	3	1	1	0.37	1.6	0.9
	45.2	20	17	1	1	15	37	36	52	56	58	3	4	1	1	0.37	1.6	0.9
	45.8	25	19.5	1	1	16	36	36	53	56	59	5	5.5	1	1	0.35	1.7	0.9
	48.4	19	16	1.5	1.5	15	41	37	62	65	66	3	4.5	1.5	1.5	0.31	1.9	1.1
	52.7	19	14	1.5	1.5	22	40	37	55	65	68	3	6.5	1.5	1.5	0.83	0.72	0.4
	48.7	27	23	1.5	1.5	18	39	37	59	65	66	3	5.5	1.5	1.5	0.31	1.9	1.1
32	43.6	15	11.5	3.5	1.3	11	38	43	47	47	50	2	3	3	1	0.33	1.8	1
	45.6	17	13	1	1	14	38	38	50	52	55	3	4	1	1	0.46	1.3	0.7
35	49.2	18	14	1	1	15	41	41	54	56	59	4	4	1	1	0.46	1.3	0.7

3 表格 / Tables

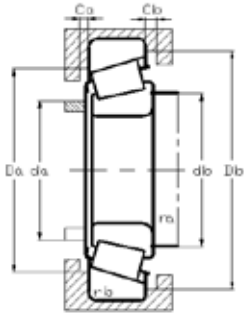
3.24 圆锥滚子轴承 / Tapered Roller Bearings



型号	尺寸			基本额定负荷		疲劳负荷极限	极限速度		重量
Code	Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed		Weight
				动态	静态		油	脂	
				Dynamic	Static		Oil	Grease	
	d	D	T	C	C ₀	P _u			
	mm	mm	mm	kN	kN	kN	rpm	rpm	kg
30207	35	72	18.25	55.6	53.2	5.8	9000	7600	0.32
32207		72	24.25	72.7	74.1	8.1	9000	7600	0.43
33207		72	28	91.7	101	11.2	9000	6700	0.56
30307		80	22.75	78.9	69.8	7.9	8600	7100	0.52
31307		80	22.75	67.5	63.7	7.4	8100	6000	0.52
32307		80	32.75	90.4	101	11.6	8600	6400	0.73
32307/37	37	80	32.75	88.8	108	12.5	8100	6000	0.85
32008	40	68	19	57	67.5	7.3	9000	7100	0.27
32008		68	19	57	67.5	7.3	9000	7100	0.27
33108		75	26	86.9	98.8	10.8	8600	6700	0.51
30208		80	19.75	67.5	64.6	7.3	8100	6700	0.42
32208		80	24.75	80.8	82.2	9.3	8100	6700	0.53
33208		80	32	114	125	14.3	8100	6000	0.77
30308		90	25.25	95	90.3	10.3	7600	6000	0.72
31308		90	25.25	80.8	77.4	9.0	7100	5300	0.72
32308		90	35.25	111	133	15.2	7600	5000	1
32009	45	75	20	63.7	76	8.4	8100	6700	0.34
33109		80	26	91.7	108	12.3	7600	6400	0.56
30209		85	20.75	72.7	72.7	8.2	7600	6000	0.48
32209		85	24.75	86.9	93.1	10.5	7600	6000	0.58
33209		85	32	103	136	15.5	7100	5000	0.82
30309		100	27.25	119	114	13.6	6700	5300	0.97
31309		100	27.25	101	96.9	11.9	6400	4800	0.95
32309		100	38.25	133	162	19.4	6700	4600	1.35
32010	50	80	20	66	83.6	9.2	7600	6000	0.37
33010		80	24	76	96.9	10.8	7600	6000	0.45
33110		85	26	95	116	12.7	7100	5700	0.59
30210		90	21.75	82.2	86.9	9.9	7100	5700	0.54

3 表格 / Tables

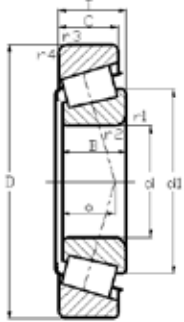
3.24 圆锥滚子轴承 / Tapered Roller Bearings



尺寸							挡肩及倒角尺寸									计算系数		
Diameter							Shoulder & Chamfer Size									Calculation Coefficient		
				最小	最小		最大	最小	最小	最大	最小	最小	最小	最大	最大			
				min	min		max	min	min	max	min	min	min	max	max			
d	d ₁	B	C	r _{1,2}	r _{3,4}	a	d _a	d _b	D _a	D _a	D _b	C _a	C _b	r _a	r _b	e	Y	Y ₀
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			
35	51.8	17	15	1.5	1.5	15	44	42	62	65	67	3	3	1.5	1.5	0.37	1.6	0.9
	52.4	23	19	1.5	1.5	17	43	42	61	65	67	3	5	1.5	1.5	0.37	1.6	0.9
	53.4	28	22	1.5	1.5	18	42	42	61	65	68	5	6	1.5	1.5	0.35	1.7	0.9
	54.5	21	18	2	1.5	16	46	44	70	71	74	3	4.5	2	1.5	0.31	1.9	1.1
	59.6	21	15	2	1.5	25	45	44	62	71	76	3	7.5	2	1.5	0.83	0.72	0.4
	54.8	31	25	2	1.5	20	44	44	66	71	74	4	7.5	2	1.5	0.31	1.9	1.1
37	54.8	31	25	2	1.5	20	44	44	66	71	74	4	7.5	2	1.5	0.54	1.1	0.6
40	54.2	19	14.5	1	1	15	46	46	60	62	65	4	4.5	1	1	0.37	1.6	0.9
	54.2	19	14.5	1	1	15	46	46	60	62	65	4	4.5	1	1	0.37	1.6	0.9
	57.5	26	20.5	1.5	1.5	18	47	47	65	68	71	4	5.5	1.5	1.5	0.35	1.7	0.9
	57.5	18	16	1.5	1.5	16	49	47	69	73	74	3	3.5	1.5	1.5	0.37	1.6	0.9
	58.4	23	19	1.5	1.5	19	49	47	68	73	75	3	5.5	1.5	1.5	0.37	1.6	0.9
	59.7	32	25	1.5	1.5	21	47	47	67	73	76	5	7	1.5	1.5	0.35	1.7	0.9
	62.5	23	20	2	1.5	19	53	49	77	81	82	3	5	2	1.5	0.35	1.7	0.9
	67.1	23	17	2	1.5	28	51	49	71	81	86	3	8	2	1.5	0.83	0.72	0.4
	62.9	33	27	2	1.5	23	51	49	73	81	82	3	8	2	1.5	0.35	1.7	0.9
45	60.4	20	15.5	1	1	16	52	51	67	69	72	4	4.5	1	1	0.4	1.5	0.8
	62.7	26	20.5	1.5	1.5	19	52	52	69	73	77	4	5.5	1.5	1.5	0.37	1.6	0.9
	63	19	16	1.5	1.5	18	54	52	74	78	80	3	4.5	1.5	1.5	0.4	1.5	0.8
	64	23	19	1.5	1.5	20	54	52	73	78	80	3	5.5	1.5	1.5	0.4	1.5	0.8
	65.2	32	25	1.5	1.5	22	52	52	72	78	81	5	7	1.5	1.5	0.4	1.5	0.8
	70.1	25	22	2	1.5	21	59	53	86	91	92	3	5	2	1.5	0.35	1.7	0.9
	74.7	25	18	2	1.5	31	57	53	79	91	95	4	9	2	1.5	0.83	0.72	0.4
	70.4	36	30	2	1.5	25	57	53	82	91	93	4	8	2	1.5	0.35	1.7	0.9
50	65.6	20	15.5	1	1	18	57	56	72	74	77	4	4.5	1	1	0.43	1.4	0.8
	64.9	24	19	1	1	17	56	56	72	74	76	4	5	1	1	0.31	1.9	1.1
	67.9	26	20	1.5	1.5	20	57	57	74	78	82	4	6	1.5	1.5	0.4	1.5	0.8
	67.9	20	17	1.5	1.5	19	58	57	79	83	85	3	4.5	1.5	1.5	0.43	1.4	0.8

3 表格 / Tables

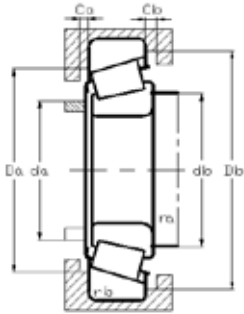
3.24 圆锥滚子轴承 / Tapered Roller Bearings



型号	尺寸			基本额定负荷		疲劳负荷极限	极限速度		重量
Code	Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed		Weight
				动态	静态		油	脂	
				Dynamic	Static		Oil	Grease	
	d	D	T	C	C ₀	Pu			
	mm	mm	mm	kN	kN	kN	rpm	rpm	kg
32210	50	90	24.75	90.3	95	10.8	7100	5700	0.61
33210		90	32	108	152	17.4	6700	4800	0.9
30310		110	29.25	136	133	15.8	6000	5000	1.25
31310		110	29.25	116	114	13.6	5700	4300	1.2
32310		110	42.25	163	201	22.8	6000	4100	1.8
32011	55	90	23	88.4	110	12.3	6700	5300	0.55
33011		90	27	98.8	130	14.5	6700	5300	0.67
33111		95	30	105	148	16.7	6400	4800	0.86
30211		100	22.75	98.8	101	11.4	6400	5000	0.7
32211		100	26.75	101	123	14.3	6400	4800	0.83
33211		100	35	131	181	20.5	6000	4300	1.2
30311		120	31.5	158	155	18.3	5300	4600	1.55
31311		120	31.5	133	130	15.8	5300	4100	1.55
32311		120	45.5	188	238	27.1	5300	3800	2.3
32012	60	95	23	90.3	116	12.7	6400	5000	0.59
33012		95	27	101	136	15.2	6400	5000	0.71
33112		100	30	127	162	18.6	6000	5000	0.92
30212		110	23.75	106	108	12.5	5700	4800	0.88
32212		110	29.75	139	152	17.7	5700	4800	1.15
33212		110	38	160	224	25.2	5700	3800	1.6
30312		130	33.5	160	186	22.4	5000	3800	1.95
31312		130	33.5	158	158	19.4	5000	3600	1.9
32312		130	48.5	218	276	32.3	5000	3400	2.85
32013	65	100	23	91.7	121	13.3	5700	4800	0.63
33013		100	27	105	145	16.4	6000	4800	0.78
33113		110	34	135	198	22.8	5300	4100	1.3
30213		120	24.75	125	127	15.5	5300	4300	1.15
32213		120	32.75	143	183	21.7	5300	3800	1.5

3 表格 / Tables

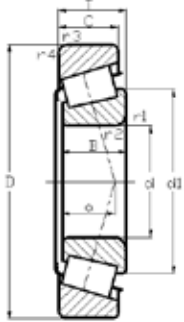
3.24 圆锥滚子轴承 / Tapered Roller Bearings



尺寸							挡肩及倒角尺寸									计算系数		
Diameter							Shoulder & Chamfer Size									Calculation Coefficient		
				最小	最小		最大	最小	最小	最大	最小	最小	最小	最大	最大			
				min	min		max	min	min	max	min	min	min	max	max			
d	d1	B	C	r1,2	r3,4	a	da	db	Da	Da	Db	Ca	Cb	ra	rb	e	Y	Y ₀
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			
50	68.5	23	19	1.5	1.5	21	58	57	78	83	85	3	5.5	1.5	1.5	0.43	1.4	0.8
	70.7	32	24.5	1.5	1.5	23	57	57	77	83	87	5	7.5	1.5	1.5	0.4	1.5	0.8
	77.2	27	23	2.5	2	23	65	60	95	100	102	4	6	2	2	0.35	1.7	0.9
	81.5	27	19	2.5	2	34	62	60	87	100	104	4	10	2	2	0.83	0.72	0.4
	77.7	40	33	2.5	2	27	63	60	90	100	102	5	9	2	2	0.35	1.7	0.9
55	73.2	23	17.5	1.5	1.5	20	63	62	81	83	86	4	5.5	1.5	1.5	0.4	1.5	0.8
	72.9	27	21	1.5	1.5	19	63	62	81	83	86	5	6	1.5	1.5	0.31	1.9	1.1
	75.1	30	23	1.5	1.5	22	63	62	83	88	91	5	7	1.5	1.5	0.37	1.6	0.9
	74.6	21	18	2	1.5	20	64	64	88	93	94	4	4.5	2	1.5	0.4	1.5	0.8
	75.2	25	21	2	1.5	22	64	64	87	93	95	4	5.5	2	1.5	0.4	1.5	0.8
	77.6	35	27	2	1.5	25	63	64	85	93	96	6	8	2	1.5	0.4	1.5	0.8
	84	29	25	2.5	2	24	71	65	104	112	111	4	6.5	2	2	0.35	1.7	0.9
	88.4	29	21	2.5	2	37	68	65	94	112	113	4	10.5	2	2	0.83	0.72	0.4
	84.6	43	35	2.5	2	29	68	65	99	112	111	5	10.5	2	2	0.35	1.7	0.9
60	77.8	23	17.5	1.5	1.5	21	67	67	85	88	91	4	5	1.5	1.5	0.43	1.4	0.8
	77.1	27	21	1.5	1.5	20	67	67	85	88	90	5	6	1.5	1.5	0.33	1.8	1
	80.4	30	23	1.5	1.5	23	67	67	88	93	96	5	7	1.5	1.5	0.4	1.5	0.8
	81.5	22	19	2	1.5	22	70	68	96	103	103	4	4.5	2	1.5	0.4	1.5	0.8
	81.9	28	24	2	1.5	24	69	68	95	103	104	4	5.5	2	1.5	0.4	1.5	0.8
	85.3	38	29	2	1.5	27	69	68	93	103	105	6	9	2	1.5	0.4	1.5	0.8
	91.9	31	26	3	2.5	26	77	72	112	118	120	5	7.5	2.5	2	0.35	1.7	0.9
	95.9	31	22	3	2.5	39	74	72	103	118	123	5	11.5	2.5	2	0.83	0.72	0.4
	91.7	46	37	3	2.5	31	74	72	107	118	120	6	11.5	2.5	2	0.35	1.7	0.9
65	83.3	23	17.5	1.5	1.5	22	72	72	90	93	97	4	5.5	1.5	1.5	0.46	1.3	0.7
	82.5	27	21	1.5	1.5	21	72	72	89	93	96	5	6	1.5	1.5	0.35	1.7	0.9
	87.9	34	26.5	1.5	1.5	26	74	72	96	103	106	6	7.5	1.5	1.5	0.4	1.5	0.8
	89	23	20	2	1.5	23	78	74	106	113	113	4	4.5	2	1.5	0.4	1.5	0.8
	90.3	31	27	2	1.5	27	76	74	104	113	115	4	5.5	2	1.5	0.4	1.5	0.8

3 表格 / Tables

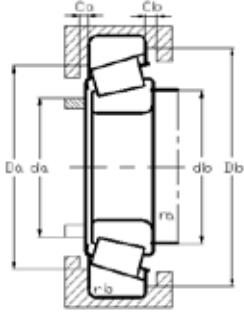
3.24 圆锥滚子轴承 / Tapered Roller Bearings



型号	尺寸			基本额定负荷		疲劳负荷极限	极限速度		重量
Code	Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed		Weight
				动态	静态		油	脂	
				Dynamic	Static		Oil	Grease	
	d	D	T	C	C ₀	Pu			
	mm	mm	mm	kN	kN	kN	rpm	rpm	kg
33213	65	120	41	184	257	29.0	5000	3600	2.05
30313		140	36	184	217	26.1	4600	3400	2.4
31313		140	36	181	183	22.4	4600	3400	2.35
32313		140	51	251	318	38.0	4700	3200	3.45
32014	70	110	25	110	145	16.4	5300	4300	0.84
33014		110	31	124	186	21.7	5300	4100	1.1
33114		120	37	163	238	28.5	5000	3800	1.7
30214		125	26.25	119	148	17.1	5000	3800	1.25
32214		125	33.25	149	198	23.3	5000	3600	1.6
33214		125	41	191	271	30.9	4800	3400	2.1
30314		150	38	209	247	29.5	4300	3200	2.9
31314		150	38	205	209	25.7	4300	3200	2.95
32314		150	54	282	361	42.8	4300	3000	4.3
32915	75	105	20	77.4	110	12.5	6000	4600	0.52
32015		115	25	116	155	17.7	5000	4100	0.9
33115		125	37	167	252	29.9	4800	3600	1.8
30215		130	27.25	133	167	19.4	4800	3600	1.4
32215		130	33.25	153	201	23.3	4800	3400	1.7
33215		130	41	199	285	32.3	4600	3200	2.25
30315		160	40	234	276	32.3	4100	3000	3.45
31315		160	40	228	233	27.6	4100	3000	3.5
32315		160	58	319	418	48.5	4100	2900	5.2
32016	80	125	29	131	205	23.3	4800	3400	1.3
33016		125	36	160	272	30.4	4800	3400	1.65
33116		130	37	170	266	30.9	4600	3400	1.9
30216		140	28.25	143	174	20.1	4600	3200	1.6
32216		140	35.25	178	233	27.1	4300	3200	2.05
33216		140	46	238	356	39.4	4300	3000	2.9

3 表格 / Tables

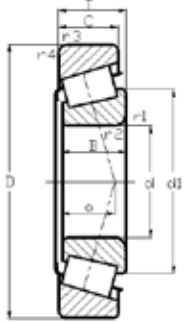
3.24 圆锥滚子轴承 / Tapered Roller Bearings



尺寸							挡肩及倒角尺寸										计算系数		
Diameter							Shoulder & Chamfer Size										Calculation Coefficient		
				最小	最小		最大	最小	最小	最大	最小	最小	最小	最大	最大				
				min	min		max	min	min	max	min	min	min	max	max				
d	d1	B	C	r1,2	r3,4	a	da	db	Da	Da	Db	Ca	Cb	ra	rb	e	Y	Y ₀	
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				
65	92.1	41	32	2	1.5	29	75	74	102	113	115	6	9	2	1.5	0.4	1.5	0.8	
	98.6	33	28	3	2.5	28	84	77	122	128	130	5	8	2.5	2	0.35	1.7	0.9	
	103	33	23	3	2.5	42	80	77	111	128	132	5	13	2.5	2	0.83	0.72	0.4	
	99.2	48	39	3	2.5	33	80	77	117	128	130	6	12	2.5	2	0.35	1.7	0.9	
70	89.8	25	19	1.5	1.5	23	78	77	98	103	105	5	6	1.5	1.5	0.43	1.4	0.8	
	88.8	31	25.5	1.5	1.5	23	78	77	99	103	105	5	5.5	1.5	1.5	0.28	2.1	1.1	
	94.8	37	29	2	1.5	28	80	79	104	112	115	6	8	2	1.5	0.37	1.6	0.9	
	93.9	24	21	2	1.5	25	82	78	110	115	118	4	5	2	1.5	0.43	1.4	0.8	
	95	31	27	2	1.5	28	80	78	108	115	119	4	6	2	1.5	0.43	1.4	0.8	
	97.2	41	32	2	1.5	30	79	78	107	115	120	6	9	2	1.5	0.4	1.5	0.8	
	105	35	30	3	2.5	29	90	82	130	138	140	5	8	2.5	2	0.35	1.7	0.9	
	110	35	25	3	2.5	45	85	82	118	138	141	5	13	2.5	2	0.83	0.72	0.4	
	106	51	42	3	2.5	36	86	82	125	138	140	6	12	2.5	2	0.35	1.7	0.9	
75	89.2	20	16	1	1	19	81	82	98	98	101	4	4	1	1	0.33	1.8	1	
	95.1	25	19	1.5	1.5	25	83	82	103	108	110	5	6	1.5	1.5	0.46	1.3	0.7	
	100	37	29	2	1.5	29	84	84	109	117	120	6	8	2	1.5	0.4	1.5	0.8	
	99.2	25	22	2	1.5	27	86	84	115	122	124	4	5	2	1.5	0.43	1.4	0.8	
	100	31	27	2	1.5	29	85	84	114	122	125	4	6	2	1.5	0.43	1.4	0.8	
	102	41	31	2	1.5	32	84	84	111	122	125	6	10	2	1.5	0.43	1.4	0.8	
	112	37	31	3	2.5	31	96	87	139	148	149	5	9	2.5	2	0.35	1.7	0.9	
	116	37	26	3	2.5	48	91	87	127	148	151	6	14	2.5	2	0.83	0.72	0.4	
	113	55	45	3	2.5	38	92	87	133	148	149	7	13	2.5	2	0.35	1.7	0.9	
80	103	29	22	1.5	1.5	27	90	87	112	117	120	6	7	1.5	1.5	0.43	1.4	0.8	
	102	36	29.5	1.5	1.5	26	90	87	112	117	119	6	6.5	1.5	1.5	0.28	2.1	1.1	
	105	37	29	2	1.5	30	89	89	114	122	126	6	8	2	1.5	0.43	1.4	0.8	
	105	26	22	2.5	2	28	92	90	124	130	132	4	6	2	2	0.43	1.4	0.8	
	106	33	28	2.5	2	30	91	90	122	130	134	5	7	2	2	0.43	1.4	0.8	
	110	46	35	2.5	2	35	89	90	119	130	135	7	11	2	2	0.43	1.4	0.8	

3 表格 / Tables

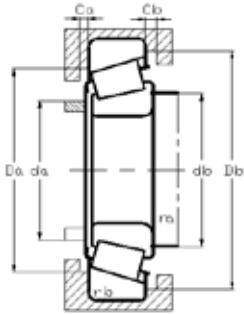
3.24 圆锥滚子轴承 / Tapered Roller Bearings



型号	尺寸			基本额定负荷		疲劳负荷极限	极限速度		重量
Code	Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed		Weight
				动态	静态		油	脂	
				Dynamic	Static		Oil	Grease	
	d	D	T	C	C ₀	Pu			
	mm	mm	mm	kN	kN	kN	rpm	rpm	kg
30316	80	170	42.5	257	304	36.1	4100	2900	4.1
31316		170	42.5	247	252	30.4	3800	2900	4.05
32316		170	61.5	361	475	54.2	4100	2900	6.2
32017	85	130	29	133	213	24.2	4600	3200	1.35
33017		130	36	174	295	32.8	4600	3400	1.75
33117		140	41	209	323	36.1	4300	3200	2.45
30217		150	30.5	167	209	24.2	4100	3000	2.05
32217		150	38.5	201	270	31.8	4100	3000	2.6
33217		150	49	272	409	45.6	4100	2900	3.7
30317		180	44.5	288	347	38.5	3800	2700	4.85
31317		180	44.5	230	271	31.8	3600	2500	4.6
32317		180	63.5	382	504	57.0	3800	2700	6.85
32018	90	140	32	160	257	29.5	4100	3000	1.75
33018		140	39	205	337	37.1	4300	3000	2.2
33118		150	45	238	371	40.9	4100	2900	3.1
30218		160	32.5	184	233	27.1	3800	2900	2.55
32218		160	42.5	238	323	36.1	3800	2900	3.35
30318		190	46.5	314	380	41.8	3800	2500	5.65
31318		190	46.5	251	299	34.7	3200	2300	5.9
32318		190	67.5	434	580	63.7	3800	2500	8.4
32019	95	145	32	160	257	29.0	4100	3000	1.8
33019		145	39	209	356	38.5	4100	3000	2.3
30219		170	34.5	205	261	29.9	3600	2700	3
32219		170	45.5	267	371	40.9	3600	2700	4.05
33219		170	58	355	532	58.9	3600	2500	5.5
30319		200	49.5	314	371	40.4	3200	2500	6.7
31319		200	49.5	277	337	37.1	3200	2300	6.95
32319		200	71.5	476	637	68.4	3200	2300	11

3 表格 / Tables

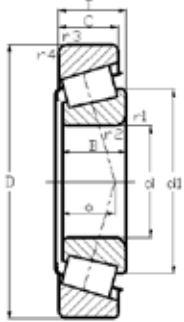
3.24 圆锥滚子轴承 / Tapered Roller Bearings



尺寸							挡肩及倒角尺寸									计算系数		
Diameter							Shoulder & Chamfer Size									Calculation Coefficient		
				最小	最小		最大	最小	最小	最大	最小	最小	最小	最大	最大			
				min	min		max	min	min	max	min	min	min	max	max			
d	d ₁	B	C	r _{1,2}	r _{3,4}	a	d _a	d _b	D _a	D _a	D _b	C _a	C _b	r _a	r _b	e	Y	Y ₀
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			
80	120	39	33	3	2.5	33	102	92	148	158	159	5	9.5	2.5	2	0.35	1.7	0.9
	124	39	27	3	2.5	52	97	92	134	158	159	6	15.5	2.5	2	0.83	0.72	0.4
	120	58	48	3	2.5	41	98	92	142	158	159	7	13.5	2.5	2	0.35	1.7	0.9
85	108	29	22	1.5	1.5	28	94	92	117	122	125	6	7	1.5	1.5	0.44	1.35	0.8
	107	36	29.5	1.5	1.5	26	94	92	118	122	125	6	6.5	1.5	1.5	0.3	2	1.1
	112	41	32	2.5	2	32	95	95	122	130	135	7	9	2	2	0.4	1.5	0.8
	112	28	24	2.5	2	30	97	95	132	140	141	5	6.5	2	2	0.43	1.4	0.8
	113	36	30	2.5	2	33	97	95	130	140	142	5	8.5	2	2	0.43	1.4	0.8
	117	49	37	2.5	2	37	96	95	128	140	144	7	12	2	2	0.43	1.4	0.8
	126	41	34	4	3	35	107	99	156	166	167	6	10.5	3	2.5	0.35	1.7	0.9
	131	41	28	4	3	55	103	99	143	166	169	6	16.5	3	2.5	0.83	0.72	0.4
	126	60	49	4	3	42	103	99	150	166	167	7	14.5	3	2.5	0.35	1.7	0.9
90	115	32	24	2	1.5	30	100	98	125	132	134	6	8	2	1.5	0.43	1.4	0.8
	113	39	32.5	2	1.5	27	100	98	127	132	135	7	6.5	2	1.5	0.27	2.2	1.3
	120	45	35	2.5	2	35	101	101	130	140	144	7	10	2	2	0.4	1.5	0.8
	118	30	26	2.5	2	31	104	101	140	150	150	5	6.5	2	2	0.43	1.4	0.8
	121	40	34	2.5	2	36	102	101	138	150	152	5	8.5	2	2	0.43	1.4	0.8
	132	43	36	4	3	36	113	105	165	176	176	6	10.5	3	2.5	0.35	1.7	0.9
	138	43	30	4	3	57	109	105	151	176	179	5	16.5	3	2.5	0.83	0.72	0.4
	133	64	53	4	3	44	109	105	157	176	177	7	14.5	3	2.5	0.35	1.7	0.9
95	120	32	24	2	1.5	31	105	104	130	138	139	6	8	2	1.5	0.44	1.35	0.8
	118	39	32.5	2	1.5	28	104	104	131	138	139	7	6.5	2	1.5	0.28	2.1	1.1
	126	32	27	3	2.5	33	110	107	149	158	159	5	7.5	2.5	2	0.43	1.4	0.8
	128	43	37	3	2.5	39	109	107	145	158	161	5	8.5	2.5	2	0.43	1.4	0.8
	132	58	44	3	2.5	42	107	107	144	158	163	9	14	2.5	2	0.4	1.5	0.8
	139	45	38	4	3	39	118	110	172	186	184	6	11.5	3	2.5	0.35	1.7	0.9
	145	45	32	4	3	60	114	110	157	186	187	5	17.5	3	2.5	0.83	0.72	0.4
	141	67	55	4	3	47	115	110	166	186	186	8	16.5	3	2.5	0.35	1.7	0.9

3 表格 / Tables

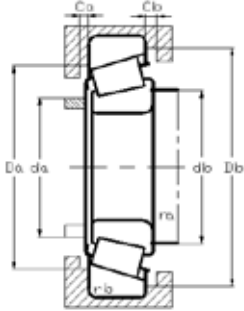
3.24 圆锥滚子轴承 / Tapered Roller Bearings



型号	尺寸			基本额定负荷		疲劳负荷极限	极限速度		重量
Code	Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed		Weight
				动态	静态		油	脂	
				Dynamic	Static		Oil	Grease	
	d	D	T	C	C ₀	Pu			
	mm	mm	mm	kN	kN	kN	rpm	rpm	kg
32920	100	140	25	113	194	21.3	4600	3000	1.15
32020		150	32	163	266	29.5	3800	2900	1.9
33020		150	39	213	371	39.4	3800	2900	2.4
30220		180	37	234	304	34.2	3400	2700	3.65
32220		180	49	303	418	45.6	3400	2500	4.9
33220		180	63	408	622	67.5	3400	2300	6.95
30320		215	51.5	382	466	50.4	3000	2300	8.05
31320		215	56.5	409	442	48.5	2900	2300	8.6
32320		215	77.5	543	741	78.9	2900	2100	12.5
32021	105	160	35	191	318	35.6	3600	2700	2.4
33021		160	43	234	409	43.2	3600	2700	3.05
30221		190	39	257	337	38.0	3200	2500	4.25
32221		190	53	340	485	52.3	4100	2500	6
32321		225	81.5	575	774	80.8	2900	1900	14.5
32922	110	150	25	119	213	22.8	4100	2900	1.25
32022		170	38	221	371	40.4	3400	2500	3.05
33022		170	47	267	475	50.4	3400	2500	3.85
33122		180	56	351	599	63.7	3200	2500	5.55
30222		200	41	293	385	42.8	3000	2300	5.1
32222		200	56	382	542	58.0	3000	2300	7.1
30322		240	54.5	449	556	58.9	2700	2100	11
31322		240	63	434	556	58.9	2700	1800	12
32322		240	84.5	596	789	82.2	2700	1800	17
32924	120	165	29	157	290	30.4	3600	2500	1.8
32024		180	38	230	394	41.8	3200	2300	3.25
33024		180	48	277	513	53.2	3200	2500	4.2
30224		215	43.5	324	442	46.6	2900	2100	6.15
32224		215	61.5	445	660	68.4	2900	2100	9.15

3 表格 / Tables

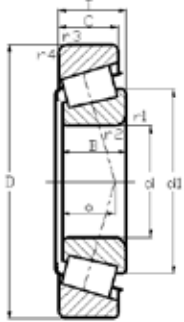
3.24 圆锥滚子轴承 / Tapered Roller Bearings



尺寸							挡肩及倒角尺寸									计算系数		
Diameter							Shoulder & Chamfer Size									Calculation Coefficient		
				最小	最小		最大	最小	最小	最大	最小	最小	最小	最大	最大			
				min	min		max	min	min	max	min	min	min	max	max			
d	d1	B	C	r1,2	r3,4	a	da	db	Da	Da	Db	Ca	Cb	ra	rb	e	Y	Y ₀
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			
100	119	25	20	1.5	1.5	24	109	107	131	132	135	5	5	1.5	1.5	0.33	1.8	1
	125	32	24	2	1.5	32	110	108	134	142	144	6	8	2	1.5	0.46	1.3	0.7
	122	39	32.5	2	1.5	29	109	108	135	142	143	7	6.5	2	1.5	0.3	2	1.1
	133	34	29	3	2.5	35	116	112	157	168	168	5	8	2.5	2	0.43	1.4	0.8
	135	46	39	3	2.5	41	115	112	154	168	171	5	10	2.5	2	0.43	1.4	0.8
	139	63	48	3	2.5	43	112	112	151	168	172	10	15	2.5	2	0.4	1.5	0.8
	148	47	39	4	3	40	127	115	184	201	197	6	12.5	3	2.5	0.35	1.7	0.9
	158	51	35	4	3	65	121	115	168	201	202	7	21.5	3	2.5	0.83	0.72	0.4
	151	73	60	4	3	51	123	115	177	201	200	8	17.5	3	2.5	0.35	1.7	0.9
105	132	35	26	2.5	2	34	116	116	143	150	154	6	9	2	2	0.44	1.35	0.8
	131	43	34	2.5	2	31	117	116	145	150	153	7	9	2	2	0.28	2.1	1.1
	141	36	30	3	2.5	37	123	117	165	178	177	6	9	2.5	2	0.43	1.4	0.8
	143	50	43	3	2.5	44	120	117	161	178	180	6	10	2.5	2	0.43	1.4	0.8
	158	77	63	4	3	53	129	120	185	211	209	9	18.5	3	2.5	0.35	1.7	0.9
110	129	25	20	1.5	1.5	26	118	117	140	142	145	5	5	1.5	1.5	0.35	1.7	0.9
	140	38	29	2.5	2	36	123	121	152	160	163	7	9	2	2	0.43	1.4	0.8
	139	47	37	2.5	2	34	123	121	152	160	161	7	10	2	2	0.28	2.1	1.1
	146	56	43	2.5	2	44	121	121	155	170	174	9	13	2	2	0.43	1.4	0.8
	148	38	32	3	2.5	39	129	122	174	188	187	6	9	2.5	2	0.43	1.4	0.8
	151	53	46	3	2.5	46	127	122	170	188	190	6	10	2.5	2	0.43	1.4	0.8
	165	50	42	4	3	43	142	125	206	226	220	8	12.5	3	2.5	0.35	1.7	0.9
	176	57	38	4	3	72	135	125	188	226	224	7	25	3	2.5	0.83	0.72	0.4
	168	80	65	4	3	55	137	125	198	226	222	9	19.5	3	2.5	0.35	1.7	0.9
120	141	29	23	1.5	1.5	29	130	127	154	157	160	5	6	1.5	1.5	0.35	1.7	0.9
	150	38	29	2.5	2	39	132	131	161	170	173	7	9	2	2	0.46	1.3	0.7
	149	48	38	2.5	2	36	132	131	160	170	171	6	10	2	2	0.3	2	1.1
	161	40	34	3	2.5	43	141	132	187	203	201	6	9.5	2.5	2	0.43	1.4	0.8
	163	58	50	3	2.5	51	137	132	181	203	204	7	11.5	2.5	2	0.43	1.4	0.8

3 表格 / Tables

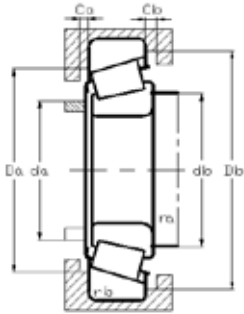
3.24 圆锥滚子轴承 / Tapered Roller Bearings



型号	尺寸			基本额定负荷		疲劳负荷极限	极限速度		重量
Code	Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed		Weight
				动态	静态		油	脂	
				Dynamic	Static		Oil	Grease	
	d	D	T	C	C ₀	P _u			
	mm	mm	mm	kN	kN	kN	rpm	rpm	kg
30324	120	260	59.5	533	675	69.8	2500	1900	14
31324		260	68	512	660	69.8	2300	1600	15.5
32324		260	90.5	752	1060	104.5	2500	1700	21.5
32926	130	180	32	188	347	36.1	3400	2300	2.4
32026		200	45	298	513	52.3	2900	2100	4.95
30226		230	43.75	351	466	50.4	2700	1900	7.6
32226		230	67.75	523	789	80.8	2700	1900	11.5
30326		280	63.75	596	760	78.9	2300	1700	17
31326		280	72	575	741	77.4	2300	1500	18.5
32928	140	190	32	195	371	38.0	3200	2100	2.55
32028		210	45	314	556	55.6	2700	2100	5.25
30228		250	45.75	397	542	55.6	2500	1800	8.65
32228		250	71.75	612	950	95.0	2500	1800	14.5
31328		300	77	658	855	83.6	2100	1400	24.5
32030	150	225	48	351	622	62.2	2500	1900	6.35
33030		225	59	434	822	82.2	2500	1900	8.15
30230		270	49	408	532	54.2	2300	1700	11
32230		270	77	700	1080	106.4	2300	1600	17.5
31330		320	82	742	969	95.0	1900	1300	29.5
32032	160	240	51	408	741	74.1	2300	1700	7.75
30232		290	52	502	698	68.4	2100	1500	13
32232		290	84	836	1330	125.4	2100	1500	25.5
30332		340	75	867	1120	108.3	1900	1400	29
32934	170	230	38	272	556	52.3	2700	1800	4.5
32034		260	57	486	869	85.5	2100	1600	10.5
30234		310	57	585	822	78.9	1900	1400	19
32234		310	91	960	1550	142.5	1900	1400	28.5
32936	180	250	45	334	698	64.6	2500	1600	6.65

3 表格 / Tables

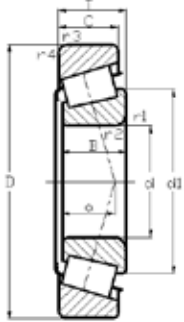
3.24 圆锥滚子轴承 / Tapered Roller Bearings



尺寸							挡肩及倒角尺寸										计算系数		
Diameter							Shoulder & Chamfer Size										Calculation Coefficient		
				最小	最小		最大	最小	最小	最大	最小	最小	最小	最大	最大				
				min	min		max	min	min	max	min	min	min	max	max				
d	d1	B	C	r1,2	r3,4	a	da	db	Da	Da	Db	Ca	Cb	ra	rb	e	Y	Y ₀	
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				
120	178	55	46	4	3	47	153	135	221	245	237	7	13.5	3	2.5	0.35	1.7	0.9	
	190	62	42	4	3	78	145	135	203	245	244	9	26	3	2.5	0.83	0.72	0.4	
	181	86	69	4	3	60	148	135	213	245	239	9	21.5	3	2.5	0.35	1.7	0.9	
130	153	32	25	2	1.5	31	141	140	167	172	173	6	7	2	1.5	0.33	1.8	1	
	165	45	34	2.5	2	42	144	142	178	190	192	7	11	2	2	0.43	1.4	0.8	
	173	40	34	4	3	45	152	146	203	216	217	7	9.5	3	2.5	0.43	1.4	0.8	
	176	64	54	4	3	56	146	146	193	216	219	7	13.5	3	2.5	0.43	1.4	0.8	
	196	58	49	5	4	51	164	150	239	263	255	8	14.5	4	3	0.35	1.7	0.9	
	204	66	44	5	4	84	157	150	218	263	261	8	28	4	3	0.83	0.72	0.4	
140	163	32	25	2	1.5	33	150	150	177	182	184	6	7	2	1.5	0.35	1.7	0.9	
	175	45	34	2.5	2	46	153	152	187	200	202	7	11	2	2	0.46	1.3	0.7	
	186	42	36	4	3	47	164	156	219	236	234	7	9.5	3	2.5	0.43	1.4	0.8	
	191	68	58	4	3	60	159	156	210	236	238	8	13.5	3	2.5	0.43	1.4	0.8	
	219	70	47	5	4	90	169	160	235	283	280	9	30	4	3	0.83	0.72	0.4	
150	187	48	36	3	2.5	49	164	164	200	213	216	8	12	2.5	2	0.46	1.3	0.7	
	188	59	46	3	2.5	48	164	162	200	213	217	8	13	2.5	2	0.37	1.6	0.9	
	200	45	38	4	3	50	175	166	234	256	250	9	11	3	2.5	0.43	1.4	0.8	
	205	73	60	4	3	64	171	166	226	256	254	8	17	3	2.5	0.43	1.4	0.8	
	234	75	50	5	4	96	181	170	251	303	300	9	32	4	3	0.83	0.72	0.4	
160	200	51	38	3	2.5	52	175	174	213	228	231	8	13	2.5	2	0.46	1.3	0.7	
	214	48	40	4	3	54	189	176	252	275	269	8	12	3	2.5	0.43	1.4	0.8	
	221	80	67	4	3	70	183	176	242	275	274	10	17	3	2.5	0.43	1.4	0.8	
	233	68	58	5	4	61	201	180	290	323	310	9	17	4	3	0.35	1.7	0.9	
170	200	38	30	2.5	2	42	183	182	213	220	222	7	8	2	2	0.37	1.6	0.9	
	214	57	43	3	2.5	56	188	184	230	246	249	10	14	2.5	2	0.44	1.35	0.8	
	230	52	43	5	4	58	203	190	268	293	288	8	14	4	3	0.43	1.4	0.8	
	237	86	71	5	4	75	196	190	259	293	294	10	20	4	3	0.43	1.4	0.8	
180	216	45	34	2.5	2	53	194	192	225	240	241	8	11	2	2	0.48	1.25	0.7	

3 表格 / Tables

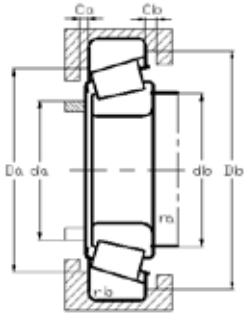
3.24 圆锥滚子轴承 / Tapered Roller Bearings



型号	尺寸			基本额定负荷		疲劳负荷极限	极限速度		重量
Code	Dimension			Load Rating		Fatigue Stress Limit	Limiting Speed		Weight
				动态	静态		油	脂	
				Dynamic	Static		Oil	Grease	
	d	D	T	C	C ₀	Pu			
	mm	mm	mm	kN	kN	kN	rpm	rpm	kg
32036	180	280	64	612	1100	104.5	2100	1500	14.5
30236		320	57	554	774	76.0	1900	1400	20
32236		320	91	960	1550	142.5	1800	1300	29.5
32938	190	260	45	340	727	68.4	2300	1500	7
32038		290	64	627	1140	106.4	1900	1400	15
30238		340	60	685	950	90.3	1700	1300	24
32940	200	280	51	449	903	83.6	2100	1400	9.5
32040		310	70	711	1300	120.7	1800	1300	19.5
30240		360	64	752	1060	100.7	1600	1200	25
32240		360	104	1150	1900	171.0	1600	1200	42.5
32944	220	300	51	460	950	86.9	1900	1300	10
32044		340	76	852	1580	142.5	1600	1200	25.5
30244		400	72	941	1330	122.6	1500	1400	40
32244		400	114	1530	2570	306.9	1400	1000	60
32948	240	320	51	486	1030	91.7	1800	1200	11
32048		360	76	888	1710	152.0	1500	1100	27.5
32248		440	127	1700	3180	261.3	1300	950	83.5
32052	260	400	87	1110	2090	180.5	1300	1000	40
32252		480	137	2090	3470	285.0	1100	850	105
30352		540	113	2010	2900	237.5	1100	800	110
32956	280	380	63.5	727	1580	135.9	1500	1000	20
32056		420	87	1150	2240	190.0	1200	950	40.5
32960	300	420	76	998	2130	180.5	1300	900	32
32060		460	100	1460	2850	237.5	1100	900	58
32260		540	149	2610	4510	346.8	1000	800	140

3 表格 / Tables

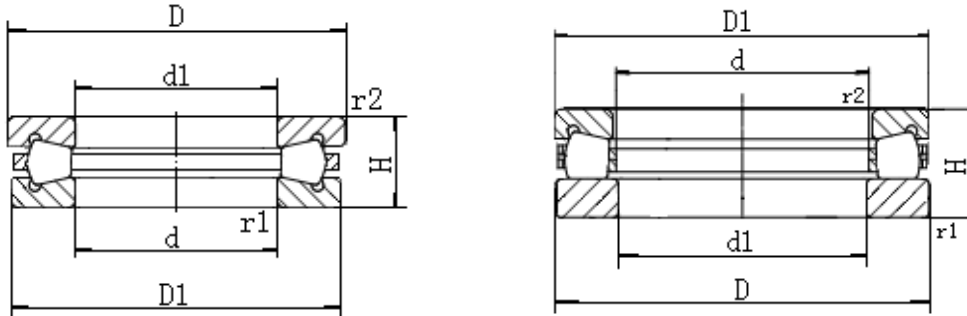
3.24 圆锥滚子轴承 / Tapered Roller Bearings



尺寸							挡肩及倒角尺寸										计算系数		
Diameter							Shoulder & Chamfer Size										Calculation Coefficient		
				最小	最小		最大	最小	最小	最大	最小	最小	最小	最大	最大				
				min	min		max	min	min	max	min	min	min	max	max				
d	d ₁	B	C	r _{1,2}	r _{3,4}	a	d _a	d _b	D _a	D _a	D _b	C _a	C _b	r _a	r _b	e	Y	Y ₀	
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				
180	229	64	48	3	2.5	59	199	194	247	266	267	10	16	2.5	2	0.43	1.4	0.8	
	239	52	43	5	4	61	211	200	278	303	297	9	14	4	3	0.44	1.35	0.8	
	247	86	71	5	4	78	204	200	267	303	303	10	20	4	3	0.44	1.35	0.8	
190	227	45	34	2.5	2	55	204	202	235	248	251	8	11	2	2	0.48	1.25	0.7	
	240	64	48	3	2.5	62	210	204	257	276	279	10	16	2.5	2	0.44	1.35	0.8	
	254	55	46	5	4	63	224	210	298	323	318	9	14	4	3	0.43	1.4	0.8	
200	239	51	39	3	2.5	53	217	214	257	266	271	9	12	2.5	2	0.4	1.5	0.8	
	254	70	53	3	2.5	66	222	214	273	296	297	11	17	2.5	2	0.43	1.4	0.8	
	268	58	48	5	4	68	237	220	315	343	336	9	16	4	3	0.43	1.4	0.8	
	274	98	82	5	4	83	231	220	302	343	340	11	22	4	3	0.4	1.5	0.8	
220	259	51	39	3	2.5	58	234	234	275	286	290	9	12	2.5	2	0.43	1.4	0.8	
	279	76	57	4	3	72	244	236	300	325	326	12	19	3	2.5	0.43	1.4	0.8	
	294	65	54	5	4	74	259	242	348	383	371	10	18	4	3	0.43	1.4	0.8	
	306	108	90	5	4	95	253	242	334	383	379	13	24	4	3	0.43	1.4	0.8	
240	279	51	39	3	2.5	64	255	254	294	306	311	9	12	2.5	2	0.46	1.3	0.7	
	299	76	57	4	3	78	262	256	318	345	346	12	19	3	2.5	0.46	1.3	0.7	
	346	120	100	5	4	105	290	262	365	420	415	13	27	4	3	0.43	1.4	0.8	
260	328	87	65	5	4	84	287	282	352	383	383	13	22	4	3	0.43	1.4	0.8	
	366	130	106	6	5	112	303	286	401	458	454	16	31	5	4	0.43	1.4	0.8	
	376	102	85	6	6	97	325	286	461	514	493	15	28	5	5	0.35	1.7	0.9	
280	329	63.5	48	3	2.5	74	298	295	348	366	368	11	15.5	2.5	2	0.43	1.4	0.8	
	348	87	65	5	4	89	305	302	370	400	402	14	22	4	3	0.46	1.3	0.7	
300	358	76	57	4	3	79	324	317	383	404	405	12	19	3	2.5	0.4	1.5	0.8	
	377	100	74	5	4	97	330	322	404	440	439	15	26	4	3	0.43	1.4	0.8	
	413	140	115	6	5	126	343	326	453	518	511	17	34	5	4	0.43	1.4	0.8	

3 表格 / Tables

3.25 单向推力圆锥滚子轴承 / Tapered Roller Thrust Bearings (onedirectional)



型号 Code / Type	尺寸 Dimension			基本额定负荷 Load Rating	
	d mm	D mm	T mm	动态 Dynamic	静态 Static
C kN				C ₀ kN	
99436	180	360	109.0	2410	8760
99440	200	400	122.0	3120	12360
KT-800	220	420	125.0	3330	12980
G-3224-CT	250	548	165.1	6230	26340
99452	260	480	132.0	3240	12720
99456	280	520	145.0	5670	22050
99464	320	580	155.0	7290	30700
99476	380	670	175.0	7120	27930

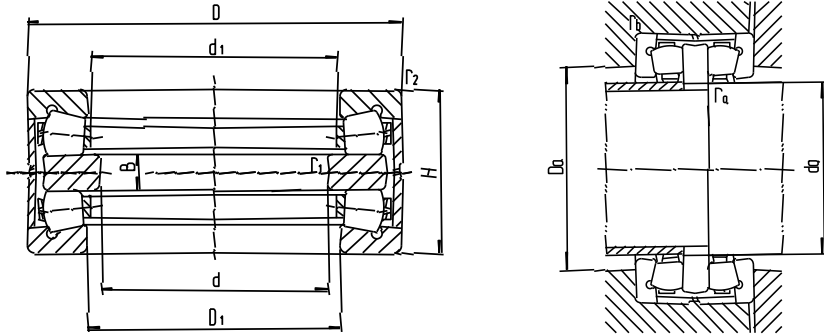
3 表格 / Tables

3.25 单向推力圆锥滚子轴承 / Tapered Roller Thrust Bearings (onedirectional)

	尺寸				重量
	Diameter				Weight
				最小	
				min	
	d1	B	C	r1,2	
mm	mm	mm	mm	kg	
180.30	359.50	5.0	5.0	57.40	
200.30	399.50	5.0	5.0	79.30	
220.40	419.50	6.0	6.0	85.10	
258.76	542.92	6.1	6.1	196.50	
260.30	479.50	6.0	6.0	117.80	
280.30	519.50	6.0	6.0	146.20	
320.40	579.50	7.5	7.5	193.90	
380.40	669.50	7.5	7.5	281.00	

3 表格 / Tables

3.26 双向推力圆锥滚子轴承 / Tapered Roller Thrust Bearings (bidirectional)



型号			尺寸			基本额定负荷		重量
Code / Type			Dimension			Load Rating		Weight
国内型号	国际型号					动态	静态	
China	International		d	D	H	C	C ₀	
829000	SKF	FAG	mm	mm	mm	kN	kN	kg
829232		515805	160	300	110	580	2900	3.5
829234	350980C	528974	170	240	84	380	1380	12.5
829234T			170	240	84	540	1500	12.3
829234X3			170	260	90	750	2300	21.5
829736	353162	528294	180	280	90	580	2900	21.0
829736T			180	280	90	550	2650	20.3
829836X3			182	260	84	560	1650	14.1
829240		563400	200	300	96	470	2230	20.0
829244	351019C	528876	220	300	96	450	1800	19.5
829746			230	400	180	980	4800	114.0
829746X3			230	475	300	2680	12330	248.5
829748	354182C	529086	240	320	96	430	2000	21.5
829748K		545678	240	380	105	700	2800	42.0
829950	353005	502010	250	380	100	850	5000	42.3
829950K			250	381	108	850	5000	44.3
829252	350981C	509352	260	360	92	630	3200	27.0
829954	351164C	527907*	270	450	180	1700	6100	118.0
829254		527907	270	450	180	2000	7500	115.0
829260		524740	300	420	100	890	4500	42.0
826970XT			310	490	130	1200	5300	84.5
829264	353102C	528562	320	440	108	990	4700	48.0
829764	350982C	509654	320	470	130	1350	5800	79.0
829964		540295	320	500	218	2100	8360	175.0
829970	351100C	530739	350	490	130	1200	5300	73.5
829970K	353006	522008	350	540	135	1750	9200	112.0
829772			360	530	145	1820	9550	110.0
829272		524194	360	560	200	2400	12500	180.0
829972		573320	360	530	145	1300	5780	110.0

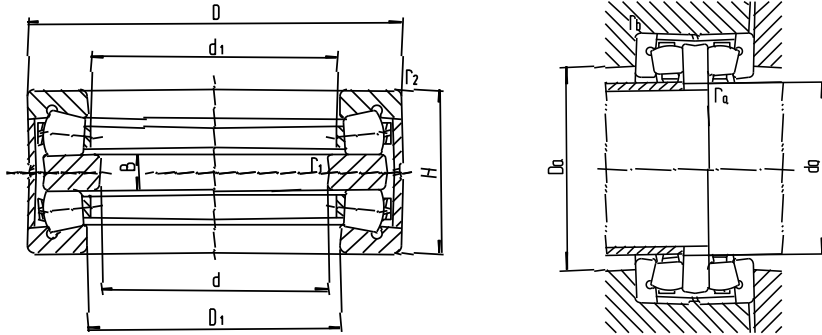
3 表格 / Tables

3.26 双向推力圆锥滚子轴承 / Tapered Roller Thrust Bearings (bidirectional)

	尺寸					安装尺寸			
	Diameter					Installation Dimension			
				最小	最小			最小	最小
				min	min			min	min
	d1	D1	B	r1	r2	da	Da	ra	rb
mm	mm	mm	mm	mm	mm	mm	mm	mm	
187	190	34	1.0	1.5	186	200	1.0	1.5	
182	184	20	0.6	2.0	181	190	0.6	2.0	
182	184	20	1.1	1.5	-	-	-	-	
185	190	22	1.1	1.5	-	-	-	-	
192	196	20	1.0	2.0	191	205	1.0	2.0	
192	196	20	1.0	2.0	-	-	-	-	
192	196	20	1.0	2.0	-	-	-	-	
229	236	22	0.6	2.0	-	-	-	-	
231	236	22	0.6	2.0	230	245	0.6	2.0	
254	260	42	1.0	3.0	253	270	1.0	2.5	
286	296	110	1.0	3.0	-	-	-	-	
251	256	22	0.6	2.0	250	285	0.6	2.0	
267	270	27	2.0	2.0	-	-	-	-	
265	275	22	0.6	2.0	264	285	0.6	2.0	
266.5	275	30	0.6	2.0	-	-	-	-	
276	285	20	1.0	2.0	274	290	1.0	2.0	
302	310 (316)	45 (44)	2.0	5.0	300	325	2.0	4.0	
302	316	44	2.0	5.0	-	-	-	-	
326	330	23	1.5	2.5	324	340	1.0	2.0	
380	390	30	1.1	3.5	-	-	-	-	
348	355	26	1.1	3.0	346	360	1.0	2.5	
340	350	30	1.1	3.0	338	360	1.0	2.5	
340	350	60	2.0	5.0	-	-	-	-	
382	390	30	1.1	3.0	380	400	1.0	2.5	
386	400	30	1.1	4.0	384	405	1.0	3.0	
382	396	34	1.5	4.0	379	405	1.5	3.0	
385	396	48	1.5	4.0	382	405	1.5	3.0	
398	410	45	2.0	4.0	-	-	-	-	

3 表格 / Tables

3.26 双向推力圆锥滚子轴承 / Tapered Roller Thrust Bearings (bidirectional)



型号			尺寸			基本额定负荷		重量
Code / Type			Dimension			Load Rating		Weight
国内型号	国际型号					动态	静态	
China	International		d	D	H	C	C ₀	
829000	SKF	FAG	mm	mm	mm	kN	kN	kg
829276		513828	380	530	130	1800	10000	95.0
829776	351175C	513125	380	560	130	1800	10000	108.0
829776X2			380	560	145	1800	10000	117.4
829976	BFDB353204	545936	380	650	215	3400	17200	275.0
829780		540162	400	650	200	2700	13800	250.0
829784	351121C	509392*	420	620	170	2420	12200	185.0
829784K	BFDB353200/HA3	545991*	420	620	185	2420	12200	200.0
829788	353152	534038*	440	645	167	1980	10800	190.0
829788X3			440	650	240	2900	14880	270.0
829990	350916D		450	645	155	1980	10800	170.0
829990K		513401	450	645	155	2240	12200	157.0
829994	353151		470	720	200	3450	18000	285.0
829794	BFDB353238/HA3	549701	470	720	200	3450	18000	305.0
829796		547584	480	710	218	2900	13000	280.0
8292/530	351475C	511746	530	710	218	2300	14000	245.0
8297/550	350976C	515196	550	760	230	2950	13500	310.0
8297/600	BFDB350824B/HA1		600	880	290	4750	21500	550.0
8292/670	351761A		670	900	230	3600	19500	425.0

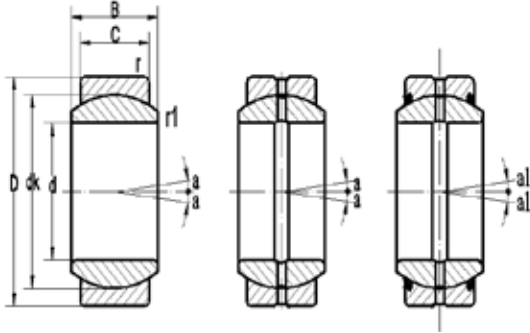
3 表格 / Tables

3.26 双向推力圆锥滚子轴承 / Tapered Roller Thrust Bearings (bidirectional)

尺寸					安装尺寸				
Diameter					Installation Dimension				
			最小	最小			最小	最小	
			min	min			min	min	
d1	D1	B	r1	r2	da	Da	ra	rb	
mm	mm	mm	mm	mm	mm	mm	mm	mm	
398	410	30	1.1	3.5	395	415	1.0	2.5	
416	430	32	1.5	3.0	413	435	1.5	2.5	
416	430	47	1.5	2.5	-	-	-	-	
449	450	65	2.0	4.0	446	470	2.0	3.0	
439	450	50	1.5	5.0	436	470	1.5	4.0	
458	465 (470)	35	1.5	3.0	455	485	1.5	3.0	
458	465 (470)	50	1.5	3.0	455	485	1.5	3.0	
483	490 (500)	50	3.0	4.0	480	510	2.5	3.0	
485	493	90	2.0	6.0	-	-	-	-	
483	490 (500)	38	1.5	4.0	480	510	1.5	3.0	
480	500	38	3.0	5.0	-	-	-	-	
519	535	50	2.0	4.0	515	550	2.0	3.0	
519	535	60	2.0	4.0	515	550	2.0	3.0	
564	575	57	2.0	4.0	560	590	2.0	3.0	
564	575	57	2.0	3.0	560	590	2.0	2.5	
589	610	50	2.0	5.0	585	620	2.0	4.0	
674	680	70	5.0	6.0	670	715	4.0	5.0	
709	725	50	2.0	5.0	705	730	2.0	4.0	

3 表格 / Tables

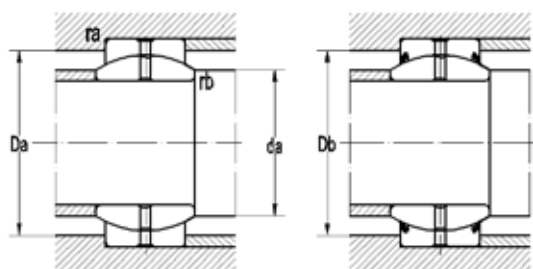
3.27 关节轴承(GExE GExES, GExES-2RS) / Spherical Slide Bearings; GExE GExES, GExES-2RS Type



型号		尺寸				倾斜角		基本额定负荷		重量
Code / Type		Dimension				Tilt Angle		Load Rating		Weight
无密封圈	带密封圈							动态	静态	
								Dynamic	Static	
without Seals	with Seals	d	D	B	C	α	α_1	C	C_0	kg
		mm	mm	mm	mm	deg.	deg.	kN	kN	
GE4E		4	12	5	3	16	-	2.0	10	0.0033
GE5E		5	14	6	4	13	-	3.4	17	0.0038
GE6E		6	14	6	4	13	-	3.4	17	0.0042
GE8E		8	16	8	5	15	-	5.5	27	0.0075
GE10E		10	19	9	6	12	-	8.1	40	0.0110
GE12E		12	22	10	7	11	-	10.0	54	0.0150
GE15ES	GE15ES-2RS	15	26	12	9	8	5	17.0	85	0.0270
GE17ES	GE17ES-2RS	17	30	14	10	10	7	21.0	106	0.0401
GE20ES	GE20ES-2RS	20	35	16	12	9	6	30.0	146	0.0650
GE25ES	GE25ES-2RS	25	42	20	16	7	4	48.0	240	0.1200
GE30ES	GE30ES-2RS	30	47	22	18	6	4	62.0	310	0.1530
GE35ES	GE35ES-2RS	35	55	25	20	6	4	80.0	400	0.2300
GE40ES	GE40ES-2RS	40	62	28	22	7	4	100.0	500	0.3060
GE45ES	GE45ES-2RS	45	68	32	25	7	4	127.0	640	0.4270
GE50ES	GE50ES-2RS	50	75	35	28	6	4	156.0	780	0.5500
GE60ES	GE60ES-2RS	50	90	44	36	6	3	245.0	1220	1.0500
GE70ES	GE70ES-2RS	70	105	49	40	6	4	315	1560	1.55
GE80ES	GE80ES-2RS	80	120	55	45	6	4	400	2000	2.30
GE90ES	GE90ES-2RS	90	130	60	50	5	3	490	2450	2.75
GE100ES	GE100ES-2RS	100	150	70	55	7	5	610	3050	4.40
GE110ES	GE110ES-2RS	110	160	70	55	6	4	655	3250	4.80
GE120ES	GE120ES-2RS	120	180	85	70	6	4	950	4750	8.05
GE140ES	GE140ES-2RS	140	210	90	70	7	5	1080	5400	11.00
GE160ES	GE160ES-2RS	160	230	105	80	8	6	1400	7000	14.00
GE180ES	GE180ES-2RS	180	260	105	80	6	4	1590	7950	18.50
GE200ES	GE200ES-2RS	200	290	130	100	7	5	2244	11220	28.00

3 表格 / Tables

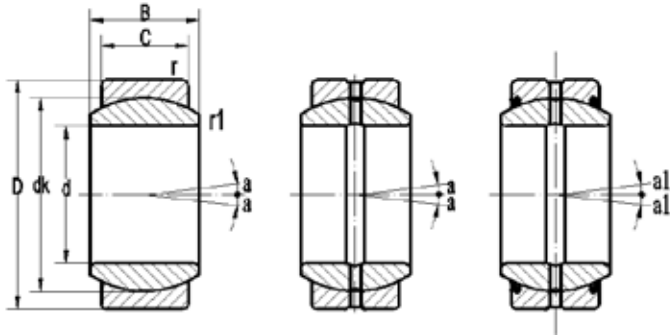
3.27 关节轴承(GExE GExES, GExES-2RS) / Spherical Slide Bearings; GExE GExES, GExES-2RS Type



尺寸			安装尺寸						
Diameter			Abutment & Fillet Size						
dk	r	r1	最小 min	最大 max	最小 min	最大 max	最小 min	最大 max	最大 max
mm	mm	mm	da	da	Da	Da	Db	ra	rb
8.0	0.5	0.5	6	6	8	10	-	0.3	0.3
10.0	0.5	0.5	7	8	10	12	-	0.3	0.3
10.0	0.5	0.5	8	8	10	12	-	0.3	0.3
13.0	0.5	0.5	10	10	13	14	-	0.3	0.3
16.0	0.5	0.8	13	13	16	17	-	0.3	0.5
18.0	0.8	0.8	15	15	18	19	-	0.5	0.5
22.0	0.8	0.8	18	18	22	23	23	0.5	0.5
25.0	0.8	0.8	20	20	25	27	26	0.5	0.5
29.0	1.0	0.8	23	24	28	31	30	0.6	0.5
35.5	1.0	0.8	28	29	35	38	36	0.6	0.5
40.7	1.0	0.8	33	34	40	43	42	0.6	0.6
47.0	1.2	1.0	39	39	45	50	47	0.8	0.6
53.0	1.2	1.0	44	45	51	57	53	0.8	0.6
60.0	1.2	1.0	49	50	58	63	60	0.8	0.6
66.0	1.2	1.0	54	56	63	70	65	0.8	0.6
80.0	1.5	1.2	65	66	76	84	78	1.0	0.8
92	1.5	1.2	75	77	87	99	90	1	0.8
105	1.5	1.2	85	89	100	114	102	1	0.8
115	1.5	1.5	96	98	110	124	112	1	1.0
130	1.5	1.5	106	109	126	144	128	1	1.0
140	1.5	1.5	116	121	136	154	139	14	1.0
160	1.5	1.5	126	135	152	174	154	1	1.0
180	1.5	1.5	146	155	174	204	178	1	1.0
206	1.5	1.5	173	177	196	224	200	1	1.0
234	2.0	2.0	197	209	224	253	229	1	1.0
264	2.0	2.0	223	229	251	283	259	1	1.0

3 表格 / Tables

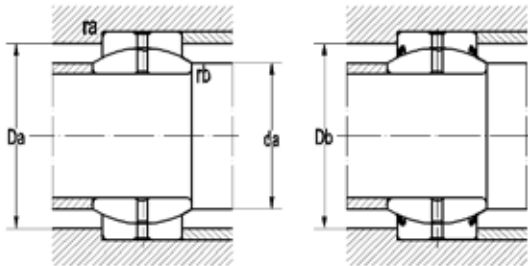
3.28 关节轴承(GEGxE GEGxES, GEGxES-2RS) / Spherical Slide Bearings; GEGxE GEGxES, GEGxES-2RS Type



型号		尺寸				倾斜角		基本额定负荷		重量
Code / Type		Dimension				Tilt Angle		Load Rating		Weight
无密封圈	带密封圈	d	D	B	C	α	α ₁	动态	静态	
								Dynamic	Static	
without Seals	with Seals	mm	mm	mm	mm	deg.	deg.	kN	C ₀ kN	kg
GEG4E		4	14	7	4	20	-	3.4	17	0.0045
GEG5E		5	14	7	4	20	-	3.4	17	0.0040
GEG6E		6	16	9	5	21	-	5.5	27	0.0081
GEG8E		8	19	11	6	21	-	8.1	40	0.0140
GEG10E		10	22	12	7	18	-	10	54	0.0210
GEG12E		12	26	15	9	18	-	17	85	0.0330
GEG15E		15	30	16	10	16	13	21	106	0.0490
GEG17E		17	35	20	12	19	16	30	146	0.0830
GEG20E	GEG20ES-2RS	20	42	25	16	17	15	48	240	0.1530
GEG25E	GEG25ES-2RS	25	47	28	18	17	14	62	310	0.2030
GEG30E	GEG30ES-2RS	30	55	32	20	17	16	80	400	0.3040
GEG35E	GEG35ES-2RS	35	62	35	22	16	15	100	500	0.4080
GEG40E	GEG40ES-2RS	40	68	40	25	17	14	127	640	0.5420
GEG45E	GEG45ES-2RS	45	75	43	28	15	13	156	780	0.7130
GEG50E	GEG50ES-2RS	50	90	56	36	17	16	245	1220	1.4400
GEG60E	GEG60ES-2RS	60	105	63	40	17	15	315	1560	1.6600
GEG70ES	GEG70ES-2RS	70	120	70	45	16	14	400	2000	3.01
GEG80ES	GEG80ES-2RS	80	130	75	50	14	13	490	2450	3.64
GEG90ES	GEG90ES-2RS	90	150	85	55	15	14	610	3050	5.22
GEG100ES	GEG100ES-2RS	100	160	85	55	14	12	655	3250	6.05
GEG110ES	GEG110ES-2RS	110	180	100	70	12	11	950	4750	9.68
GEG120ES	GEG120ES-2RS	120	210	115	70	16	14	1080	5400	14.72

3 表格 / Tables

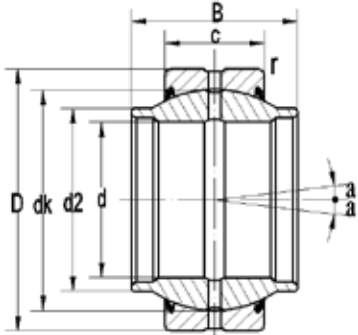
3.28 关节轴承(GEGxE GEGxES, GEGxES-2RS) / Spherical Slide Bearings; GEGxE GEGxES, GEGxES-2RS Type



尺寸			安装尺寸						
Diameter			Abutment & Fillet Size						
			最小	最大	最小		最小	最大	最大
			min	max	min	max	min	max	max
dk	r	r1	da	da	Da	Da	Db	ra	rb
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
10.0	0.5	0.5	6	6	10	12	-	0.3	-
10.0	0.5	0.5	7	7	10	12	-	0.3	-
13.0	0.5	0.5	8	8	13	14	-	0.3	-
16.0	0.5	0.5	10	10	16	17	-	0.3	-
18.0	0.8	0.5	13	13	18	19	-	0.5	-
22.0	0.8	0.8	15	15	22	23	-	0.5	-
22.0	0.8	0.8	18	18	25	27	26	0.5	-
25.0	1.0	0.8	20	20	28	31	30	0.6	-
35.5	1.0	0.8	23	25	35	38	36	0.6	0.5
40.7	1.0	0.8	28	29	40	43	42	0.6	0.5
47.0	1.2	0.8	33	34	45	50	47	0.8	0.5
53.0	1.2	1.0	39	39	51	57	53	0.8	0.6
60.0	1.2	1.0	44	44	58	63	60	0.8	0.6
66.0	1.2	1.0	49	50	63	70	65	0.8	0.6
80.0	1.5	1.0	54	57	76	84	78	1.0	0.6
92.0	1.5	1.2	65	67	87	99	90	1.0	0.8
105	1.5	1.2	75	78	100	114	102	1	0.8
115	1.5	1.2	85	87	110	124	112	1	0.8
130	1.5	1.5	96	98	126	144	128	1	1.0
140	1.5	1.5	106	111	136	154	139	1	1.0
160	1.5	1.5	116	124	152	174	154	1	1.0
180	1.5	1.5	126	138	174	204	178	1	1.0

3 表格 / Tables

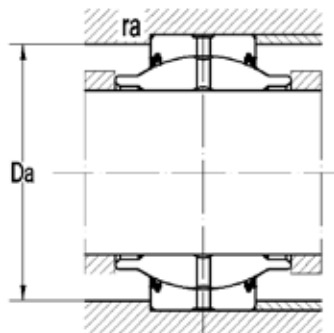
3.29 关节轴承(GEEMxES-2RS) / Spherical Slide Bearings; GEEMxES-2RS Type



型号	尺寸				倾斜角	基本额定负荷		重量
Code / Type	Dimension				Tilt Angle	Load Rating		Weight
						动态	静态	
						Dynamic	Static	
	d	D	B	C	α	C	C_0	
	mm	mm	mm	mm	deg.	kN	kN	kg
GEEM15ES-2RS	15	26	19	9	5	17	85	0.04
GEEM17ES-2RS	17	30	21	10	7	21	106	0.06
GEEM20ES-2RS	20	35	24	12	6	30	146	0.07
GEEM25ES-2RS	25	42	29	16	4	48	240	0.13
GEEM30ES-2RS	30	47	30	18	4	62	310	0.17
GEEM35ES-2RS	35	55	35	20	4	80	400	0.25
GEEM40ES-2RS	40	62	38	22	4	100	500	0.35
GEEM45ES-2RS	45	68	40	25	4	127	640	0.49
GEEM50ES-2RS	50	75	43	28	4	156	780	0.60
GEEM60ES-2RS	60	90	54	36	3	245	1220	1.15
GEEM70ES-2RS	70	105	65	40	4	315	1560	1.65
GEEM80ES-2RS	80	120	74	45	4	400	2000	2.50

3 表格 / Tables

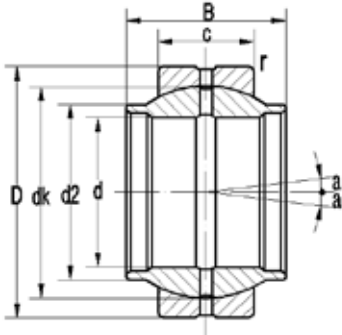
3.29 关节轴承(GEEMxES-2RS) / Spherical Slide Bearings; GEEMxES-2RS Type



尺寸			安装尺寸		
Diameter			Abutment & Fillet Size		
			最小	最大	最大
			min	max	max
dk	d2	r	db	db	ra
mm	mm	mm	mm	mm	mm
22.00	18.50	0.8	23	24	0.5
25.00	21.00	0.8	26	27	0.5
29.00	24.00	1.0	30	31	0.6
35.50	29.00	1.0	36	38	0.6
40.70	34.20	1.0	42	43	0.6
47.00	40.00	1.2	47	50	0.8
53.00	45.00	1.2	53	57	0.8
60.00	51.50	1.2	60	63	0.8
66.00	56.50	1.2	65	70	0.8
80.00	67.50	1.5	78	84	1.0
92.00	78.00	1.5	90	99	1.0
105.00	90.00	1.5	102	114	1.0

3 表格 / Tables

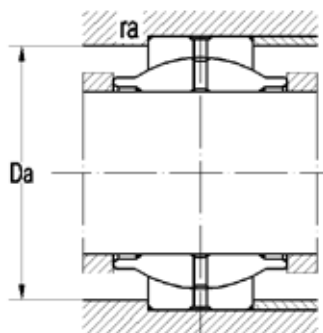
3.30 关节轴承(GEEWxES) / Spherical Slide Bearings; GEEWxES Type



型号	尺寸				倾斜角	基本额定负荷		重量
Code / Type	Dimension				Tilt Angle	Load Rating		Weight
						动态	静态	
						Dynamic	Static	
	d	D	B	C	α	C	C_0	
	mm	mm	mm	mm	deg.	kN	kN	kg
GEEW12ES	12	22	12	7	4	10	54	0.02
GEEW16ES	16	28	16	9	4	18	88	0.04
GEEW20ES	20	35	20	12	4	30	146	0.07
GEEW25ES	25	42	25	16	4	48	240	0.13
GEEW32ES	32	52	32	18	4	65	328	0.17
GEEW40ES	40	62	40	22	4	100	500	0.34
GEEW50ES	50	75	50	28	4	156	780	0.56
GEEW63ES	53	95	63	36	4	254	1270	1.23
GEEW80ES	80	120	80	45	4	400	2000	2.40
GEEW100ES	100	150	100	55	4	610	3050	4.80
GEEW125ES	125	180	125	70	4	950	4750	8.50
GEEW160ES	160	230	160	80	4	1360	6800	16.50

3 表格 / Tables

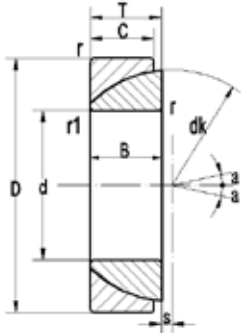
3.30 关节轴承(GEEWxES) / Spherical Slide Bearings; GEEWxES Type



尺寸			安装尺寸		
Diameter			Abutment & Fillet Size		
			最小	最大	最大
			min	max	max
dk	d2	r	Da	Da	ra
mm	mm	mm	mm	mm	mm
18.0	15.5	0.8	18	19	0.5
23.0	20.0	0.8	23	25	0.5
29.0	25.0	1.0	28	31	0.6
35.5	30.5	1.0	35	38	0.6
43.0	37.0	1.2	41	47	0.8
53.0	46.0	1.2	51	57	0.8
66.0	57.0	1.2	63	70	0.8
83.0	71.5	1.5	76	89	1.0
105.0	91.0	1.5	100	114	1.0
130.0	113.0	1.5	126	144	1.0
160.0	138.0	1.5	152	174	1.0
200.0	177.0	1.5	196	224	1.0

3 表格 / Tables

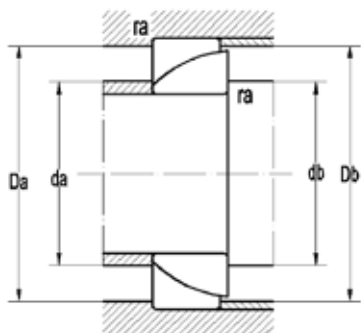
3.31 关节轴承(GACxS) / Spherical Slide Bearings; GACxS Type



型号	尺寸			倾斜角	基本额定负荷		重量
Code	Dimension			Tilt Angle	Load Rating		Weight
					动态	静态	
					Dynamic	Static	
	d	D	T	α	C	C_0	
	mm	mm	mm	deg.	kN	kN	kg
GAC25S	25	47	15	3.5	50	250	0.14
GAC28S	28	52	16	3.5	60	300	0.18
GAC30S	30	55	17	3.0	68	340	0.21
GAC32S	32	58	17	3.5	71	354	0.23
GAC35S	35	62	18	3.0	81	405	0.27
GAC40S	40	68	19	3.0	96	483	0.33
GAC45S	45	75	20	3.0	112	560	0.42
GAC50S	50	80	20	3.0	123	618	0.46
GAC55S	55	90	23	3.0	156	784	0.67
GAC60S	60	95	23	3.0	168	842	0.73
GAC65S	65	100	23	2.5	180	900	0.78
GAC70S	70	110	25	2.5	215	1077	1.05
GAC75S	75	115	25	2.5	226	1130	1.10
GAC80S	80	125	29	2.5	273	1366	1.55
GAC85S	85	130	29	2.5	287	1437	1.65
GAC90S	90	140	32	2.5	340	1700	2.10
GAC95S	95	145	32	2.5	351	1755	2.25
GAC100S	100	150	32	2.0	384	1923	2.35
GAC105S	105	160	35	2.0	435	2178	2.95
GAC110S	110	170	38	2.0	506	2534	3.70
GAC120S	120	180	38	2.0	553	2767	4.00

3 表格 / Tables

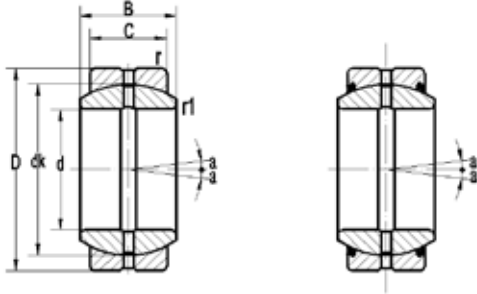
3.31 关节轴承(GACxS) / Spherical Slide Bearings; GACxS Type



尺寸						安装尺寸				
Diameter						Abutment & Fillet Size				
						最大	最小	最小	最大	最大
						max	min	min	max	max
dk	B	C	s	r	r1	da	db	Db	Da	ra
mm	mm	mm	mm	mm	m	mm	mm	mm	mm	mm
42	15	14	1	1.5	0.5	30	31	43	41	1.0
47	16	15	1	1.5	0.5	33	34	47	46	1.0
50	17	16	2	1.5	0.5	37	36	51	49	1.0
52	17	16	2	1.5	0.5	38	38	53	52	1.0
56	18	17	2	1.5	0.5	42	41	57	56	1.0
61	19	18	2	1.5	0.5	47	46	63	62	1.0
67	20	19	3	1.5	0.5	53	51	70	69	1.0
74	20	19	4	1.5	0.5	57	56	75	74	1.0
81	23	22	5	2.0	0.8	64	62	82	83	1.0
87	23	22	5	2.0	0.8	70	67	89	88	1.0
93	23	22	6	2.0	0.8	74	72	95	93	1.0
102	25	24	7	2.0	0.8	82	77	104	103	1.0
107	25	24	7	2.0	0.8	85	82	109	108	1.0
115	29	27	9	2.0	0.8	92	87	117	118	1.0
121	29	27	10	2.0	0.8	98	92	124	123	1.0
129	32	30	11	2.5	1.0	103	99	131	131	1.5
133	32	30	9	2.5	1.0	108	104	137	136	1.5
141	32	31	12	2.5	1.0	112	109	143	141	1.5
150	35	33	13	3.0	1.0	117	115	150	151	2.0
160	38	36	14	3.0	1.0	123	120	157	161	2.0
170	38	37	16	3.0	1.0	132	130	170	171	2.0

3 表格 / Tables

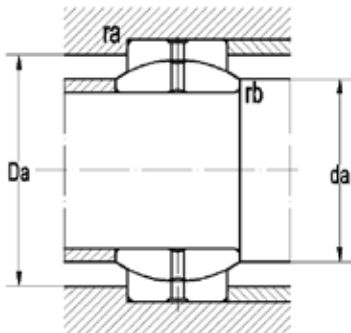
3.32 关节轴承(GEZxES, GEZxES-2RS) 公制



型号		尺寸				倾斜角	基本额定负荷		重量
Code / Type		Dimension				Tilt Angle	Load Rating		Weight
无密封圈	带密封圈						动态	静态	
without Seals	with Seals	d	D	B	C	α	C	C ₀	
		mm	mm	mm	mm	deg.	kN	kN	kg
GEZ12ES		12.700	22.225	11.100	9.525	6	14	72	0.020
GEZ15ES		15.875	26.988	13.894	11.913	6	23	116	0.035
GEZ19ES	GEZ19ES-2RS	19.050	31.750	16.662	14.275	6	33	166	0.055
GEZ22ES	GEZ22ES-2RS	22.225	36.513	19.431	16.662	6	45	226	0.085
GEZ25ES	GEZ25ES-2RS	25.400	41.275	22.225	19.050		58	291	0.120
GEZ31ES	GEZ31ES-2RS	31.750	50.800	27.762	23.800	6	91	455	0.230
GEZ34ES	GEZ34ES-2RS	34.925	55.563	30.150	26.187		109	545	0.350
GEZ38ES	GEZ38ES-2RS	38.100	61.913	33.325	28.575		133	667	0.420
GEZ44ES	GEZ44ES-2RS	44.450	71.438	38.887	33.325		181	906	0.640
GEZ50ES	GEZ50ES-2RS	50.800	80.963	44.450	38.100		236	1182	0.930
GEZ57ES	GEZ57ES-2RS	57.150	90.488	50.013	42.850	6	298	1493	1.300
GEZ63ES	GEZ63ES-2RS	63.500	100.013	55.550	47.625	6	372	1862	1.850
GEZ69ES	GEZ69ES-2RS	69.850	111.125	61.112	52.375	6	445	2225	2.400
GEZ76ES	GEZ76ES-2RS	76.200	120.650	66.675	57.150		534	2671	3.100
GEZ82ES	GEZ82ES-2RS	82.550	130.175	72.238	61.900		626	3130	3.800
GEZ88ES	GEZ88ES-2RS	88.900	139.700	77.775	66.675	6	725	3627	4.800
GEZ95ES	GEZ95ES-2RS	95.250	149.225	83.337	71.425	6	831	4158	5.800
GEZ101ES	GEZ101ES-2RS	101.600	158.750	88.900	76.200		945	4728	7.000

3 表格 / Tables

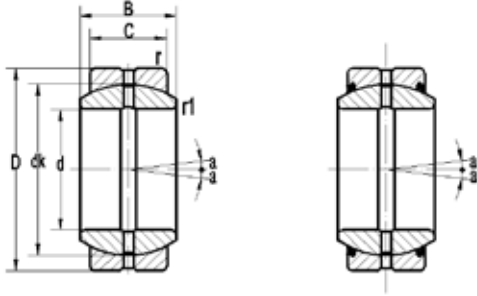
3.32 Spherical Slide Bearings; GEZxES, GEZxES-2RS Type (millimetre Dimensions)



尺寸			安装尺寸						
Diameter			Abutment & Fillet Size						
			最小	最大	最小	最大	最大	最大	
			min	max	min	max	max	max	
dk	r	r1	da	db	Da	Da	ra	rb	
mm	mm	mm	mm	mm	mm	mm	mm	mm	
18.000	0.800	0.300	13.900	14.100	17.000	19.000	0.500	0.100	
23.000	0.800	0.300	17.100	18.300	21.000	24.000	0.500	0.100	
27.500	1.000	0.500	21.100	21.800	26.000	27.700	0.600	0.300	
32.000	1.000	0.500	24.200	25.400	30.000	32.500	0.600	0.300	
36.000	1.000	0.500	27.500	27.500	37.000	38.000	0.600	0.300	
45.000	1.000	0.800	34.800	36.000	42.000	46.800	0.600	0.500	
49.000	1.200	0.800	38.500	38.500	46.000	50.800	0.800	0.500	
55.000	1.200	0.800	41.100	41.100	52.000	57.000	0.800	0.500	
64.000	1.200	1.000	48.500	50.000	60.000	67.000	0.800	0.600	
73.000	1.200	1.000	54.800	57.000	67.000	76.000	0.800	0.600	
82.000	1.200	1.000	61.200	64.000	76.000	86.000	0.800	0.600	
92.000	1.500	1.200	68.000	73.000	85.000	95.000	1.000	0.800	
100.000	1.500	1.200	74.400	79.000	92.000	106.000	1.000	0.800	
110.000	1.500	1.200	80.700	86.000	100.000	115.000	1.000	0.800	
119.000	1.500	1.500	88.500	94.000	109.000	124.200	1.000	1.000	
128.000	1.500	1.500	94.900	101.600	117.000	133.700	1.000	1.000	
137.000	1.500	1.500	101.000	108.000	126.000	143.200	1.000	1.000	
146.000	1.500	1.500	108.000	115.000	134.000	152.400	1.000	1.000	

3 表格 / Tables

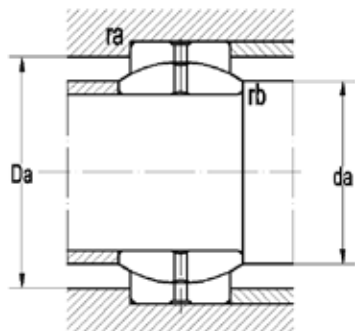
3.33 关节轴承(GEZxES, GEZxES-2RS) 英制



型号		尺寸				倾斜角	基本额定负荷		重量
Code / Type		Dimension				Tilt Angle	Load Rating		Weight
无密封圈	带密封圈						动态	静态	
without Seals	with Seals	d	D	B	C	α	C	C ₀	
		inch	inch	inch	inch	deg.	kN	kN	kg
GEZ12ES		0.500	0.875	0.437	0.375	6	14	72	0.020
GEZ15ES		0.625	1.063	0.547	0.469	6	23	116	0.035
GEZ19ES	GEZ19ES-2RS	0.750	1.250	0.656	0.562	6	33	166	0.055
GEZ22ES	GEZ22ES-2RS	0.875	1.438	0.756	0.656	6	45	226	0.085
GEZ25ES	GEZ25ES-2RS	1.000	1.625	0.875	0.750	6	58	291	0.120
GEZ31ES	GEZ31ES-2RS	1.250	2.000	1.093	0.937	6	91	455	0.230
GEZ34ES	GEZ34ES-2RS	1.375	2.188	1.187	1.031	6	109	545	0.350
GEZ38ES	GEZ38ES-2RS	1.500	2.438	1.312	1.125	6	133	667	0.420
GEZ44ES	GEZ44ES-2RS	1.750	2.813	1.531	1.312	6	181	906	0.640
GEZ50ES	GEZ50ES-2RS	2.000	3.188	1.750	1.500	6	236	1182	0.930
GEZ57ES	GEZ57ES-2RS	2.250	3.563	1.969	1.687	6	298	1493	1.300
GEZ63ES	GEZ63ES-2RS	2.500	3.938	2.187	1.875	6	372	1862	1.850
GEZ69ES	GEZ69ES-2RS	2.750	4.375	2.406	2.062	6	445	2225	2.400
GEZ76ES	GEZ76ES-2RS	3.000	4.750	2.625	2.250	6	534	2671	3.100
GEZ82ES	GEZ82ES-2RS	3.250	5.125	2.844	2.437	6	626	3130	3.800
GEZ88ES	GEZ88ES-2RS	3.500	5.500	3.062	2.625.000	6	725	3627	4.800
GEZ95ES	GEZ95ES-2RS	3.750	5.875	3.281	2.812	6	831	4158	5.800
GEZ101ES	GEZ101ES-2RS	4.000	6.250	3.500	3.000	6	945	4728	7.000

3 表格 / Tables

3.33 Spherical Slide Bearings; GEZxES, GEZxES-2RS Type (inch Dimensions)

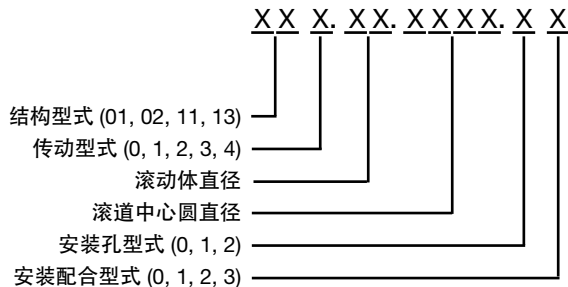


尺寸			安装尺寸						
Diameter			Abutment & Fillet Size						
			最小	最大	最小	最大	最大	最大	
			min	max	min	max	max	max	
dk	r	r1	da	db	Da	Da	ra	rb	
inch	inch	inch	inch	inch	inch	inch	inch	inch	
0.707	0.030	0.012	0.547	0.555	0.670	0.756	0.020	0.004	
0.904	0.030	0.012	0.673	0.720	0.827	0.945	0.020	0.004	
1.081	0.040	0.020	0.830	0.858	1.024	1.090	0.024	0.012	
1.258	0.040	0.020	0.953	1.000	1.180	1.280	0.024	0.012	
1.417	0.040	0.020	1.083	1.083	1.456	1.495	0.024	0.012	
1.771	0.040	0.030	1.370	1.417	1.653	1.842	0.024	0.020	
1.926	0.050	0.030	1.515	1.515	1.811	2.000	0.030	0.020	
2.165	0.050	0.030	1.618	1.618	2.047	2.244	0.030	0.020	
2.519	0.050	0.040	1.910	1.968	2.362	2.635	0.030	0.024	
2.869	0.050	0.040	2.157	2.244	2.638	2.992	0.030	0.024	
3.223	0.050	0.040	2.410	2.520	2.992	3.385	0.030	0.024	
3.616	0.060	0.050	2.677	2.874	3.345	3.740	0.040	0.030	
3.937	0.060	0.050	2.930	3.110	3.620	4.173	0.040	0.030	
4.331	0.060	0.050	3.177	3.385	3.940	4.527	0.040	0.030	
4.685	0.060	0.060	3.500	3.700	4.290	4.875	0.040	0.040	
5.040	0.060	0.060	3.750	4.000	4.600	5.250	0.040	0.040	
5.393	0.060	0.060	4.000	4.250	4.960	5.625	0.040	0.040	
5.748	0.060	0.060	4.250	4.530	5.275	6.000	0.040	0.040	

4 词汇表 / Glossary

4.1 回转支承命名方法（第1部分） / Numbering Method of Slewing Bearings (Part 1)

根据JB/T 2300-1999



结构型式: 回转支承由套圈（内圈、外圈、上下圈）、滚动体、隔离块、密封圈和油杯组成。

4.1.1 滚道型式

- a) 单排四点接触球式回转支承 (01系列)
- b) 双排异径球式回转支承(02系列); 其滚动体公称直径组合为上排/下排: 25/20, 30/25, 40/30, 50/40, 60/50
- c) 单排交叉滚柱式回转支承 (11系列);其滚动体呈90度交叉排列
- d) 三排滚柱式回转支承 (13系列);其滚动体公称直径组合为上排/下排/径向: 25/20/16, 32/25/20, 40/32/25, 45/32/25, 50/40/25

4.1.2 传动类型

- 0 - 无齿式
- 1 - 渐开线圆柱齿轮外齿啮合小模数
- 2 - 渐开线圆柱齿轮外齿啮合大模数
- 3 - 渐开线圆柱齿轮内齿啮合小模数
- 4 - 渐开线圆柱齿轮内齿啮合大模数

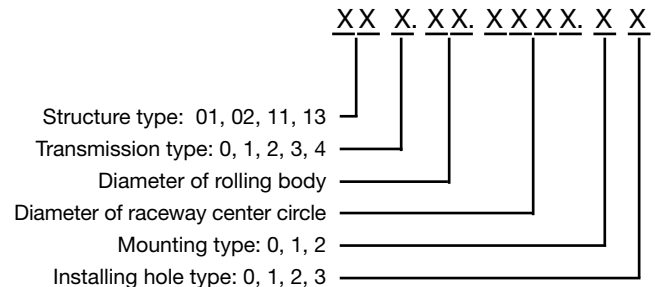
4.1.3 安装配合型式

- 0 - 标准型无止口
- 1 - 标准型有止口
- 2 - 特殊型

4.1.4 安装孔型式

- 0 - 内、外圈安装孔均为通孔
- 1 - 内、外圈安装孔均为螺纹孔
- 2 - 内圈安装孔为螺纹孔、外圈安装孔均为通孔
- 3 - 外圈安装孔为螺纹孔、内圈安装孔均为通孔

According to JB/T 2300-1999



Structure: Slewing bearing constitute of rings (inner and outer rings, top and bottom rings), rolling element, spacing block, obturating ring and oil cup etc.

4.1.1 Race way structure

- a) single row four points contact slewing (01 series)
- b) double row ball bearing slewing with unequal ball diameters (02 series); nominal diameters of rolling body (upper/down): 25/20, 30/25, 40/30, 50/40, 60/50
- c) single-row crossed roller slewing (11 series); cross arrangement of rolling bodies; angle: 90 degrees.
- d) three-row cylindrical roller slewing bearing (13 series); nominal diameters of rolling bodies is (upper/down/radial): 25/20/16, 32/25/20, 40/32/25, 45/32/25, 50/40/25

4.1.2 Transmission type

- 0 - without tooth
- 1 - outer involute toothing; meshing gear; short teeth
- 2 - outer involute toothing; meshing gear; long teeth
- 3 - inner involute toothing; meshing gear; short teeth
- 4 - inner involute toothing; meshing gear; long teeth

4.1.3 Mounting type

- 0 - standard; without spigot
- 1 - standard; with spigot
- 2 - non standard

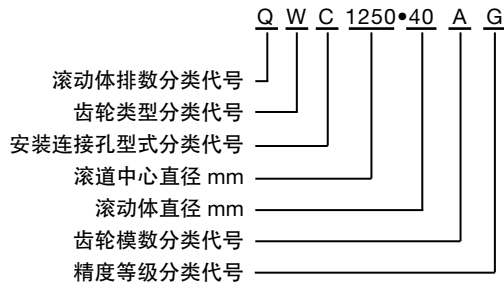
4.1.4 Installing hole type

- 0 - installing hole of inner and outer ring both is through hole
- 1 - installing hole of inner and outer ring both is threaded hole
- 2 - installing hole of inner ring is threaded hole, installing hole of outer ring is through hole
- 3 - installing hole of inner ring is through hole, installing hole of outer ring is threaded hole

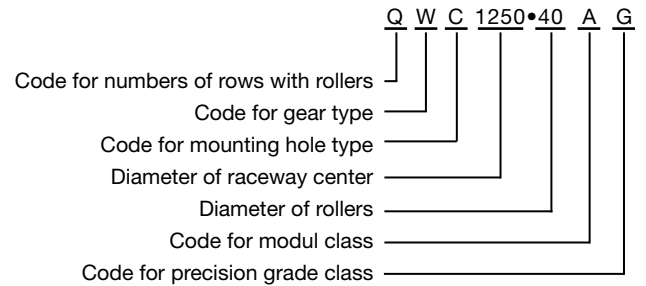
4 词汇表 / Glossary

4.2 回转支承命名方法（第2部分） / Numbering Method of Slewing Bearings (Part 2)

根据JB/T 10839-2008



According to JB/T 10839-2008



4.2.1 齿深等级

A - 齿深度较大

- 齿深度较小 (无标记)

4.2.1 Toothing deepness classification

A - large toothing deepness

- small toothing deepness (without mark)

4.2.2 精度等级

G - 高精度等级

- 一般精度等级 (无标记)

4.2.2 Precision grade classification

G - high precision grade

- normal precision grade (without mark)

举例

a) 单排球式回转支承, 外齿式, 外圈螺纹孔内圈通孔连续, 滚道中心直径= 1250 mm, 钢球直径 = 40 mm, 齿轮模数 = 12, 一般精度等级
→ 回转支承: QWC1250•40A

b) 双排球式回转支承, 内齿式, 内外圈螺纹孔, 滚道中心直径= 1400 mm, 钢球直径 = 40 mm, 齿轮模数 = 12, 高精度等级
→ 回转支承: QWB1400•40G

Mark examples

a) single row ball slewing with external gears; outer ring connected with threaded hole and inner ring connected with through hole; diameter of raceway center = 1250 mm; steel ball diameter = 40 mm; gear module size = 12; normal precision grade
→ slewing specification: **QWC1250•40A**

b) double row ball slewing with inner gears; inner and outer ring connected with threaded hole; diameter of raceway center = 1400 mm; steel ball diameter = 40 mm; gear module size = 12; high precision grade
→ slewing specification: **QWB1400•40G**

4 词汇表 / Glossary

4.3 轴承的前缀和后缀定义 / Prefixes and Suffixes Overview of Bearings

天马命名		TMB Naming		FAG	SKF
A	内部设计有所修改	A	Modified internal design		A
A..	和一个数字结合, 表示轴向游隙不同	A..	Indicates axial clearance different from DIN 620 if combined with a number	A.	CA...
ALP	轻合金窗式保持架, 滚动体引导	ALP	Machined window-type cage, aluminium roller guidance	LP	
ALPA	轻合金窗式保持架, 外圈引导	ALPA	Machined window-type cage, aluminium, guidance at outer ring	LPA	LA
AGFP	铸铁窗式保持架, 镀银, 滚动体引导	AGFP	Machined window-type steel cage, silver-plated, roller guidance	FP...	
AGFPB	铸铁窗式保持架, 镀银, 内圈引导	AGFPB	Machined window-type steel cage, silver-plated, guidance at inner ring	FPB...	
B	内部设计经过优化、40度接触角的单列角接触球轴承	B	Modified internal design, radial angular contact ball bearings contact angle 40°	B	B
BL	内圈带球面滚道	BL	Convex race for the inner ring	BL	
C1NA	双列圆柱滚子轴承, 游隙为C1, C1NA CC1组, 内外圈不可更换	C1NA	Cylindrical roller bearings (double row), clearance group C1, rings not interchangeable	C1NA	
C2	游隙为C2组, 轴承游隙小于CN	C2	Clearance group C2, clearance smaller as with CN	C2	C2
CN	游隙为CN, 普通	CN	Clearance group CN, normal clearance	CN	CN...
C3	游隙为C3组, 轴承游隙大于C2	C3	Clearance group C3, clearance larger than with CN	C3	C3
C4	游隙为C4组, 轴承游隙大于C3	C4	Clearance group C4, bearing clearance larger than with C3	C4	C4
C5	游隙为C5组, 轴承游隙大于C4	C5	Clearance group C5, bearing clearance larger than with C4	C5	C5
C4H	C4游隙范围的上半部分	C4H	Restricted clearance at the top of clearance group C4		
C3M	C3游隙范围的中间部分	C3M	Restricted clearance in the middle of the clearance group C3		C3H
C2L	C2游隙范围的下半部分	C2L	Restricted clearance at the bottom of clearance group C2	C2L	

4 词汇表 / Glossary

4.3 轴承的前缀和后缀定义 / Prefixes and Suffixes Overview of Bearings

天马命名		TMB Naming	FAG	SKF
DB	两个单列深沟球轴承, 单列角接触球轴承或单列圆锥滚子轴承, 为背对背配对的安装配合	DB	DB	
DBA	轻预负荷 (角接触球轴承)	DBA	DBA	
DBB	大于DBA的预负荷 (角接触球轴承)	DBB	DBB	
DBC	大于DBB的预负荷 (角接触球轴承)	DBC	DBC	
DBCA	两个单列深沟球轴承或角接触球轴承, 背对背安装时的轴向游隙	DBCA	DBCA	
DBCB	两个单列深沟球轴承或角接触球轴承, 背对背安装时的轴向游隙比DBCA大	DBCB	DBCB	
DBCC	两个单列深沟球轴承或角接触球轴承, 背对背安装时的轴向游隙比DBCB大	DBCC	DBCB	
DBCG	两个圆锥滚子轴承游隙, 背对背安装, 游隙相当于0	DBCG	DBCG	
DF	两个单列深沟球轴承角接触球轴承或圆锥滚子轴承, 面对面安装的轴向游隙 (其他后缀如CA,CB,CC以及和DB一样)	DF	DF	DF
DG	两个单列深沟球轴承, 角接触球轴承或圆锥滚子轴承, 面对面或背对背或串联安装	DG	DG	
DH	带两个轴承箱垫圈的单向推力轴承	DH	DH	
DHP	DH + DP的结合	DHP		DHP
DP	轴承箱垫圈的孔径比正常小	DP		DP

4 Glossar / Glossary

4.3 轴承的前缀和后缀定义 / Prefixes and Suffixes Overview of Bearings

天马命名		TMB Naming		FAG	SKF
DR	两个单列深沟球轴承或圆柱滚子轴承配对, 均匀分布径向负荷	DR	Two deep groove ball bearings or cylindrical roller bearings to accept the radial load		DR
DT	两个单列深沟球轴承, 单列角接触球轴承或单列圆锥滚子轴承为前后配对的串联安装配合 (隔圈设计和DB一致)	DT	Two single row deep groove ball bearings, angular contact ball bearings or tapered roller bearings for paired assembly in tandem position (Intermediate rings specification according to DB)		
E	优化内部设计, 提高速度	E	Maximum capacity design	E	E
EA	修改内部设计, 提高速度	EA	Maximum capacity design combined with modified internal design		
F	铸铁保持架, 滚动体引导	F	Machined steel cage, roller guidance	F...	F
FA	铸铁保持架, 外圈引导	FA	Machined steel cage, outer ring guidance	FA	
FB	铸铁保持架, 内圈引导	FB	Machined steel cage, inner ring guidance	FB	
FP	铸铁窗式保持架	FP	Machined window-type steel cage	F	
FV..	和一个数字结合使用, 为天马特殊设计	FV..	Code letters combined with a number indicate a special TMB manufacturing standard		
HB	贝氏体淬硬轴承	HB	bainitic hardening		
HC	陶瓷轴承	HC	Hybrid bearing		
HPA	青铜窗式保持架, 外圈引导	HPA	Machined window-type cage made of bronze, guidance at outer ring		
J	冲压钢保持架, 滚动体引导	J	Sheet cage, roller guidance	J	J
K	圆锥孔, 圆锥 1:12	K	Tapered bearing bore, taper 1 :12		K
K30	圆锥孔, 锥度为1:30	K30	Tapered bearing bore, taper 1 : 30	K30	K30
M	机加工黄铜保持架, 滚动体引导	M	Machined brass cage, roller guidance	M	M
MA	机加工黄铜保持架, 外圈引导	MA	Machined brass cage, outer ring guidance	MA	
MB	机加工黄铜保持架, 内圈引导	MB	Machined brass cage, inner ring guidance		

4 Glossar / Glossary

4.3 轴承的前缀和后缀定义 / Prefixes and Suffixes Overview of Bearings

天马命名 TMB Naming		FAG	SKF		
M2	机加工黄铜保持架, 热铆 (铁铆), 滚动体引导	M2	Machined brass cage, hot riveted (steel rivets), roller guidance		
M2A	机加工黄铜保持架, 热铆 ((铁铆), 外圈引导	M2A	Machined brass cage, hot riveted (steel rivets), guidance at outer ring		
M2B	机加工黄铜保持架, 热铆 (铁铆), 内圈引导	M2B	Machined brass cage, hot riveted (steel rivets), guidance at inner ring		
M2AS	机加工黄铜保持架, 热铆 (铁铆), 外圈引导, 保持架的外径上带润滑槽	M2AS	Machined brass cage, hot riveted (steel rivets), guidance at outer ring with lubricating grooves located at the outer cage diameter		
M2BS	机加工黄铜实体保持架, 热铆 ((铁铆), 内圈引导, 保持架的外径上带润滑槽	M2BS	Machined brass cage, hot riveted (steel rivets), guidance at inner ring, with lubricating grooves located at the inner cage diameter		
M3	机加工黄铜保持架, 铆接, 滚动体引导	M3	Machined brass cage, spider riveted, roller guidance	M1	M6
M3A	机加工黄铜保持架, 铆接 外圈引导	M3A	Machined brass cage, spider riveted, guidance at outer ring	M1A	MA6
M3B	机加工黄铜保持架, 铆接 内圈引导	M3B	Machined brass cage, spider riveted, inner ring guidance		
M4	梳形保持架, 拧紧(只适用于孔径 64及以上的)	M4	Comb-type cup cages, bolted (available only for bore diameter 64 and higher)		
M4A	梳形保持架, 拧紧, 外圈引导 (只适用于孔径64及以上的)	M4A	Comb-type cup cages, bolted, guidance at outer ring (available only for bore diameter 64 and higher)		
MP	机加工窗式黄铜保持架,滚动体引导	MP	Machined window-type brass cage, roller guidance	MP	MR
MPA	窗式黄铜保持架,外圈引导	MPA	Machined window-type brass cage, outer ring guidance		MPA
MPAD	黄铜保持架, 外圈引导, 特殊兜孔设计, 外圈可取出	MPAD	Machined brass cage, outer ring guidance, cage with rolling elements which can be taken out of the outer ring because of the special cage pocket geometry (Drop-roller)		
MPAS	窗式黄铜保持架, 外圈引导 保持架的外径带润滑槽	MPAS	Machined window-type brass cage, outer ring guidance, with lubricating grooves at outer diameter of the cage		

4 Glossar / Glossary

4.3 轴承的前缀和后缀定义 / Prefixes and Suffixes Overview of Bearings

天马命名	TMB Naming	FAG	SKF
MPB 窗式黄铜保持架, 内圈引导	MPB Machined window-type brass cage, inner ring guidance	MP	
MPBS 窗式黄铜保持架, 内圈引导 保持架的内径带润滑槽	MPBS Machined window-type brass cage, inner ring guidance, with lubricating grooves		
N 外圈带止动环槽, 无止动环	N Bearing with ring groove for circlip on outer ring, without circlip	N	N
N1 外圈带一个定位槽	N1 Bearing with holding groove on outer ring	N1	
N2 外圈一端面带两个定位槽	N2 Bearing with two holding grooves on one side of outer ring	N2	
N3 外圈一端面带一个止动环槽, 另一面带一个定位槽	N3 Bearing with ring groove at one side, and one holding groove at the other side	N3	
N4 外圈一端面带一个止动环槽 另一面带两个定位槽	N4 Bearing with ring groove at one side, and with two holding grooves at the other side	N4	
N5 外圈一端面带一个止动环槽, 同 一面带一个定位槽	N5 Bearing with ring groove and holding groove at the same side	N5	
N6 外圈一端面带一个止动环槽, 同 一面带两个定位槽	N6 Bearing with ring groove and two holding grooves at the same side	N6	
NA 限制轴承游隙, 轴承配件不能更换	NA Restricted clearance, bearing components are not interchangeable.		NA
NR 外圈带止动槽环, 带止动环	NR Bearing with ring groove on the side of the outer ring, with circlip	NR	NR
P 球面滚子轴承, 外圈带隔圈	P Spherical roller bearings, outer ring halves with intermediate ring	P	
P5 公差等级符合DIN 620, 比P6精确	P5 Tolerance class according to DIN 620, more precise than P6	P5	P5
P52 公差等级 P5, 游隙等级 C2	P52 Tolerance class P5 and clearance group C2	P52	P52
P6 公差等级符合 DIN 620, 比PN精确	P6 Tolerance class according to DIN 620, more precise than PN	P6	P6
PN 普通公差等级, 公差等级符合 DIN 620	PN Standard tolerance, Tolerance class according to DIN 620	DN	

4 Glossar / Glossary

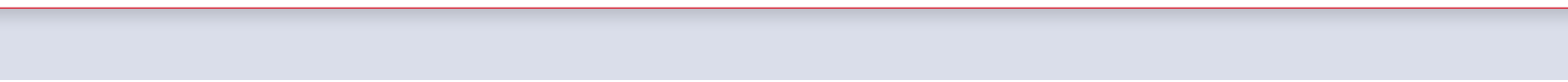
4.3 轴承的前缀和后缀定义 / Prefixes and Suffixes Overview of Bearings

天马命名		TMB Naming		FAG	SKF
R 90... 120	特殊径向游隙(这种情况下径向游隙在90到120 μm之间)	R 90... 120	Customized radial clearance (in that case, radial clearance between 90 and 120 μm)		CG...
S	轴承带润滑槽环和外圈带三个润滑孔	S	Bearings with lubrication ring groove and three lubrication holes in the outer ring		W33
SJ	电流绝缘	S	Current-insulated		
SJ5	电流绝缘到500 V	SJ5	Current-insulated up to 500 V		
SJ10	电流绝缘到 1000 V	SJ10	Current-insulated up to 1000 V	J20A J20C	VL0241 VL2071
SP	根据DIN 5412-4, 双列圆柱滚子轴承和推力角接触球轴承的公差等级SP	SP	Tolerance class SP for two row cylindrical roller bearings according to DIN 5412-4 and two sided axial angular contact ball bearings	SP	
+SP	根据DIN 5419, 发货时带止动环	+SP	Circlip according to DIN 5419 is included in delivery		
SN	轴承运行温度最高达120° C	SN	Bearings for maximum operating temperatures up to 120° C		
S0	轴承运行温度最高达150° C	S0	Bearings for maximum operating temperatures up to 150° C	S0	S0
S1	轴承运行温度最高达200° C	S1	Bearings for maximum operating temperatures up to 200° C	S1	S1
S2	轴承运行温度最高达250° C	S2	Bearings for maximum operating temperatures up to 250° C		S2
S3	轴承运行温度最高达300° C	S3	Bearings for maximum operating temperatures up to 300° C		S3
S4	轴承运行温度最高达350° C	S4	Bearings for maximum operating temperatures up to 350° C		S4
S6	轴承外圈带润滑槽环和六个润滑孔	S6	Bearings with circular lubrication groove and six lubrication holes, staggered by 60° at the outer ring		
SIR	轴承内圈带润滑槽环和三个润滑孔	SIR	Bearings with circular lubrication groove and three lubrication holes, staggered by 120° at the inner ring		

4 Glossar / Glossary

4.3 轴承的前缀和后缀定义 / Prefixes and Suffixes Overview of Bearings

天马命名		TMB Naming		FAG	SKF
SIR6	轴承内圈带润滑槽环和六个润滑孔	SIR6	Bearings with circular lubrication groove and six lubrication holes, staggered by 60° at the inner ring		
TA	机削纤维增强酚醛树脂保持架 外圈引导	TA	Machined laminated plastic cage, outer ring guidance	TA	
TB	机削纤维增强酚醛树脂保持架 内圈引导	TB	Machined laminated plastic cage, inner ring guidance	TB	
TP	机削纤维增强酚醛树脂保持架 滚动体引导	TP	Machined laminated plastic cage, roller guidance	TB	
TN	注塑成型尼龙保持架 滚动体引导	TN	GRP (polyamide) cage, roller guidance	TV	P
TNH	注模聚醚醚保持架 滚动体引导	TNH	GRP (polyamide) cage, (snap-type cage), roller guidance	TVH	TN...
TNP	注模聚醚醚保持架 (窗式), 滚动体引导	TNP	GRP (polyamide) window-type cage, roller guidance		
V	满装滚子或满装球	V	Cageless or full convex	V	V
VA0.xx	轴向预紧值为0.xx	VA0.xx	Axial pre-stress with value indication 0.xx	VA...	
VR0.xx	径向预紧值为0.xx	VR0.xx	Radial pre-stress with value indication 0.xx	VR...	
VH	带自定位滚子组的满滚子 圆柱滚子轴承	VH	Cageless cylinder roller bearing with self-holding roller set	VH	VH
VG	内圈滚道粗磨	VG	Inner ring face race, roughly ground	VGS	
W24	轴承内圈有四个润滑孔	W24	Bearing with four lubrication holes at inner ring		
X	圆锥滚子轴承, 外尺寸符合国际标准	X	Tapered roller bearing with outside to international standards dimensions adapted	X	X
XA	圆锥滚子轴承, 优化设计提高性能 外尺寸符合国际标准	XA	Tapered roller bearings with heavy-duty design, outside dimensions adapted to international standards		
Y	冲压铜保持架	Y	Sheet cage of brass		
YA	轴承型号和结构按客户要求	YA	Bearing type or structure is customized		





5 联系方式 / Contact

总部 浙江天马轴承股份有限公司 位于:

中国浙江省杭州市石祥路208号

电话: +86 571 88026876
传真: +86 571 88291297
邮箱: sales@zjtmb.com

The head quarter of **Zhejiang Tianma Bearing Co., Ltd.** is located in:

208 Shixiang Road
Hangzhou 310015
Zhejiang
PR China

Phone: +86 571 88026876
Fax: +86 571 88291297
E-Mail: sales@zjtmb.com

德国分公司 TMB Wälzlagerfabriken GmbH 位于:

Marienterrasse 12
汉堡 22085

德国

电话: +49 40 4134694 0
传真: +86 40 4134694 29
邮箱: sales@zjtmb.com

The German subsidiary **TMB Wälzlagerfabriken GmbH** is located in:

Marienterrasse 12
22085 Hamburg
Germany

Phone: +49 40 4134694 0
Fax: +86 40 4134694 29
E-Mail: sales@zjtmb.com

印度分公司 TMB Engineering Pvt. Ltd. 位于:

7/4 Ground Floor, 8th Street
Nandanam Extension
晨奈 600035

印度

电话: +91 44 243109 11
传真: +91 44 243109 12
邮箱: india@zjtmb.com

The Indian subsidiary **TMB Engineering Pvt. Ltd.** is located in:

7/4 Ground Floor, 8th Street
Nandanam Extension
Chennai 600035
India

Phone: +91 44 243109 11
Fax: +91 44 243109 12
E-Mail: india@zjtmb.com

欲了解天马集团各分公司最新信息和消息, 可登录天马网站:

Latest news and information from every TMB subsidiary as well as updates regarding activities of all TMB Group members you will get by visiting TMB homepage in the internet:

www.zjtmb.com



